hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

Via Email

March 3, 2015

NC DENR
Division of Waste Management
IHSB - REC Program
1601 Mail Service Center
Raleigh, North Carolina 27699-1601

Attn: Mr. Matt Aufman

Re: Quarterly Remedial Progress Report
Trion, Inc. Site
Sanford, Lee County, North Carolina
Site ID No. NONCD0002843

Dear Matt,

On behalf of Air Systems Components, Inc., H&H is pleased to submit this Quarterly Remedial Progress Report for the Trion, Inc. site in Sanford. The required certification pages are included in the document as Appendix A. Please let me know if you have any questions.

Sincerely,

Hart & Hickman, PC

Leonard C. Moretz

Leonard Moretz, PG, RSM
Project Director/Raleigh Office Manager

Attachment

Cc: Jeff Werwie – Johnson Controls, Inc. (via email)

Quarterly Groundwater Monitoring Report Trion, Inc. Facility Site ID#NONCD0002813

101 McNeill Road Sanford, North Carolina

H&H Job No. JCI-001
February 25, 2015

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

#C-1269 Engineering
#-245 Geology

2923 South Tryon Street, Suite 100
Charlotte, NC 28203
704.586.0007 main

3334 Hillsborough Street
Raleigh, NC 27607
919.847.4241 main

www.harthickman.com

Quarterly Groundwater Monitoring Report
Trion, Inc. Facility
Sanford, North Carolina
Site ID#NONCD0002813
H&H Job No. JCI-001

Table of Contents

Section **Page No.**

1.0 Introduction and Site Background....1
2.0 Groundwater Monitoring....3
2.1 Groundwater Flow....3
2.2 Groundwater Quality Sampling....3
3.0 Sampling Results....5
3.1 VOCS....5
3.2 MNA Indicator Parameters....6
4.0 Quality Assurance/Quality Control....9
5.0 Summary and Conclusions....10

List of Tables

Table 1 Summary of Monitoring Well Construction and Groundwater Elevation Data

Table 2 Summary of Groundwater Analytical Data (January 2015)

Table 3 Summary of Historical Groundwater Analytical Data

Table 4 Summary of MNA Data (January 2015)

Table 5 Summary of Historical MNA Data

List of Figures

Figure 1 Site Location Map

Figure 2 Site Map

Figure 3 Groundwater Table Elevation Contour Map

Figure 4 Groundwater Contaminant Concentration Map – January 2015

Figure 5 Observed Extent of CVOC Plume Above 2L Standards – January 2015

List of Appendices

Appendix A Certification Forms

Appendix B Groundwater Sampling Forms

Appendix C Laboratory Analytical Report

Appendix D Contaminant Concentration Trend Graphs

Quarterly Groundwater Monitoring Report
Trion, Inc. Facility
Sanford, North Carolina
H&H Job No. JCI-001

1.0 Introduction and Site Background

This is the second Quarterly Groundwater Monitoring Report (GWMR) prepared on behalf of Air Systems Components, Inc. (ASCI) by Hart & Hickman, P.C. (H&H) for groundwater impacted at the Trion, Inc. (Trion) facility and property located at 101 McNeill Road in Sanford, Lee County, North Carolina (Site). The GWMR has been prepared in accordance with an Administrative Agreement (AA) for a voluntary Registered Environmental Consultant (REC)-directed assessment and remedial action executed on September 29, 2014-Directed Assessment and Remedial Action Pursuant to North Carolina General Statutes (N.C.G.S.) 130A-310.9(c) and 15A North Carolina Administrative Code (NCAC) 13C .0300 (Docket No. 10-SF-337) with Department of Environment and Natural Resources (DENR) for voluntary remedial action at the Site under North Carolina's REC Program. Under this AA and in accordance with the rules and requirements of the REC program, ASCI retained H&H as its REC.

The Site is located at 101 McNeill Road in Sanford, Lee County, North Carolina (latitude 35° 30' 52" N, longitude 79° 12' 51" W). The Site consists of approximately 25 acres with a 269,000 square-foot one-story building (Facility) located to the northeast of the intersection of U.S. Route 421 and McNeill Road in Sanford, North Carolina. Mixed industrial and residential properties surround the Site. The Facility consists of office space, a warehouse, and manufacturing space. A paved (asphalt and concrete) driveway, storage area, and loading dock area are present to the rear (east) of the Facility. Investment Recovery Services (IRS) currently owns the adjacent property behind and hydraulically downgradient of the Site. Immediately behind the IRS building is a railroad right of way. A grass/landscaped area and a large pond are located on the northern side of the Facility. The pond was reportedly used for irrigation and fishing purposes and was noted to exist prior to development of the Site. The intermittent stream running from the pond eastward continues in the adjacent IRS property. Figures 1 and 2 depict site location and permanent features of the Site.

Current operations at the Site include manufacturing, assembly, and warehousing of air purification equipment. Manufacturing activities consist of metal stamping, forming of parts, parts washing, painting, welding, air cleaning, unit assembly and packaging, and warehousing prior to shipping. Prior to 1966, the Site was reportedly vacant land. White Consolidated, Inc. (White), formerly Whiting Roberts Company, owned the Site from 1966 until 1984. White manufactured textile equipment at the Site during this period. Air purification equipment has been manufactured at the Site from 1984 to the present.

A remedial investigation (RI) and remedial action plan (RAP) were completed for the site under a separate AA between Fedders Corporation (a bankrupt entity) and the DENR REC Program. The Remedial Investigation (RI) was completed in November 2013 and the RAP was finalized in June 2014. Johnson Controls, Inc. purchased ASCI in June 2014 and as part of the purchase agreement ASCI entered into an AA to implement the RAP. The RI concluded that groundwater at the Site and adjacent property owned by IRS is impacted with low concentrations of the chlorinated volatile organic compound (CVOC) trichloroethene (TCE) and its degradation products cis,1,2-dichloroethene (cDCE), trans-DCE and vinyl chloride (VC); however, the plume is adequately defined. Additionally, the RI concluded that vapor intrusion was not a concern for either the Site or the downgradient IRS property. The RAP evaluated various remedial options and the selected remedy for groundwater remediation was monitored natural attenuation (MNA). The detailed site history and data are documented in numerous previous reports and therefore is not repeated here.

The objective of the GW-RAP is to bring TCE and its degradation products (cDCE, tDCE, and VC) below the current 2L groundwater standards for an industrial/commercial facility that does not supply private well drinking water or impact public water systems. This report summarizes results of the second quarterly groundwater sampling event since approval of the GW-RAP. H&H prepared this GWMR describing the methods and results of quarterly groundwater monitoring activities conducted in January 2015 at the Trion, Inc. facility. The required certifications from the Remediating Party (ASCI) and REC (H&H) are included as Appendix A.

2.0 Groundwater Monitoring

2.1 Groundwater Flow

Groundwater elevation data were collected from sixteen site monitoring wells (TMW-1through TMW-5, MW-6 through MW-14, MW-16, MW-17, and DMW-1) on January 13, 2015. Groundwater at the site generally flows in a northeasterly direction following general surface topography. A surficial aquifer potentiometric surface map generated from the January 2015 gauging data is provided as Figure 3. These data are consistent with previously collected site data. A summary of current and historic groundwater elevation data is provided in Table 1.

2.2 Groundwater Quality Sampling

Groundwater sampling was conducted by H&H on January 13, 2015. Samples were collected from nine monitoring wells (TMW-1, TMW-4, MW-7, MW-8, MW-13, MW-14, MW-16, MW-17, andDMW-1) in accordance with the NCDENR-approved RAP, dated June 2014. Samples from each well were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, and MNA indicator parameters including: chlorides, sulfates, and nitrates by EPA Method 9056A, methane, ethane and ethane by EPA Method RSK-175, ferrous iron by HACH field test kit, and total organic carbon (TOC) by standard method 5310B.

Low-flow purging and sampling techniques were employed using a peristaltic pump and dedicated tubing. Field measurements of pH, specific conductivity, temperature, dissolved oxygen (DO), turbidity, pumping rate, and water level were recorded at five minute intervals. Purging was considered complete when stabilization of the field parameters occurred. Groundwater samples were then collected for VOC analysis using the purge and trap method. Water generated during the purging and sampling process was discharged into a 55-gallon drum and was later properly transported and disposed offsite as non-hazardous material. Groundwater sampling forms are provided in Appendix B.

Laboratory-supplied, properly preserved sample bottles were used for sample collection. A chain-of-custody record was completed for samples collected which included sample description,

date collected, time collected, matrix, sample container information, and analyses required. The chain-of-custody was signed by H&H and placed along with the samples in an iced cooler for delivery to Prism Laboratories, Inc. (Prism) of Charlotte, NC, a North Carolina-certified laboratory.

3.0 Sampling Results

The January 2015 groundwater analytical results are included on Table 2 and depicted on Figure 4. For comparison purposes, historical groundwater data are included on Table 3. The laboratory analytical report and chain-of-custody documentation are provided in Appendix C. Appendix D presents contaminant concentration trend graphs (stoichiometry shown in molar concentrations to avoid density bias) for monitoring wells TMW-4, MW-8, and MW-13, the only wells to exhibit VOC constituent concentrations above 2L Standards.

3.1 VOCS

CVOCs were detected above NCAC 2L Standards in three monitoring wells during the January 2015 event, including source area monitoring well MW-8, and downgradient monitoring wells TMW-4, and MW-13. CVOCs were detected below 2L Standards in downgradient monitoring well MW-17. Upgradient monitoring well TMW-1 and downgradient monitoring wells MW-7, MW-16, MW-14, and DMW-1continued to be non-detect for CVOCs. See Table 2 for reference.

The main contaminant of concern (COC), TCE, was detected above its 2L Standard in three monitoring wells (TMW-4, MW-8, and MW-13), and its degradation product, cDCE, was detected above its 2L Standard in the source area monitoring well (MW-8) during the January 2015 sampling event. Of these detections, monitoring wells TMW-4, MW-8, and MW-13 demonstrated increases in TCE as compared to historical data (Table 3). The concentration of cDCE in MW-8 remained stable.. TMW-4 showed an increase in cDCE whereas MW-17 and MW-13 demonstrated a decrease in cDCE. Historical increases in cDCE downgradient coupled with stable parent compound (TCE) concentrations show that dechlorination is occurring onsite. See Appendix D for graphs of constituent concentrations over time.

VC is an anaerobic biodegradation product which is produced as TCE and cDCE sequentially degrade (see Biotic Degradation Pathway of TCE on the following page). VC has not been detected during the past three sampling events; however, detections may occur in future sampling events as TCE and cDCE are sequentially degraded.

Biotic Degradation Pathway of TCE:

TCE → DCE Isomers → VC $_{(g)}$ → Ethene $_{(g)}$

(DCE Isomers: predominantly cis-1,2, also trans-1,2 and 1,1)

Other intermediate degradation product CVOCs were not detected above 2L Standards in January 2015 (trans-1,2-dichloroethene (trans-1,2-DCE)).

A summary of the January 2015 VOC data is provided below:

- Monitoring wells with samples exceeding the 2L standards for TCE demonstrate a slight increase in concentrations as compared to historical data (MW-8, TMW-4, and MW-13). Source area monitoring well MW-8 also exceeds the 2L standard for cDCE, which is stable in comparison with historical data.
- Well MW-17 continues to contain low concentrations of cDCE and TCE below their respective 2L standards, demonstrating a slight decrease in January 2015.
- All other monitoring wells sampled during the January 2015 event reported non-detect for all CVOCs.
- Figure 5 illustrates the observed extent of the CVOC plume above 2L Standards.

3.2 MNA Indicator Parameters

Dissolved oxygen measurements ranged from 2.28 mg/L (MW-17) to 7.35 mg/L (TMW-1) possibly indicating oxic conditions. Dissolved oxygen readings for the January 2015 monitoring event are above average compared to historical data; this may be due to the near freezing ambient temperature during sampling which is known to produce higher dissolved oxygen readings. ORP ranged from 165.6 mV (MW-17) to -16.8 mV (MW-14) which is indicative of anoxic conditions favorable for biodegradation of CVOCs (Table 4 and Table 5). Overall site ORP increased as compared to historical data; this may be attributed to seasonal fluctuations and/or the near freezing ambient air temperature during sampling, as described above.

Overall site pH values remain favorable for reductive dechlorination. Values ranged from 6.25 (MW-17) to 11.97 (MW-14). MW-14 demonstrates a higher than average ambient pH for groundwater; this may be due to residual grout from well construction. Lower pH downgradient (MW-17) is indicative of high dechlorination rates.

As CVOCs biodegrade, chloride ions are released resulting in increased chloride concentrations. Chloride was detected in all monitoring wells ranging from 3.5 mg/L (TMW-1) to 23 mg/L (DMW-1). In January 2015, upgradient monitoring well TMW-1 demonstrated higher chloride than historically detected. In downgradient monitoring wells MW-13 MW-16, MW-17, DMW-1 and source area monitoring well MW-8, chloride production remained stable. As chloride is highly soluble, migration from areas of high degradation can be seen through increased chloride levels in monitoring wells closest to the source area wells (MW-7 and MW-14). The increase in chloride concentrations paired with continued production of cDCE in TMW-4 demonstrates that reductive dechlorination is occurring within the plume.

The presence of methane above background conditions indicates microbial degradation (methanogenisis) is occurring and strongly reducing conditions have been established. Methanogenisis can facilitate cometabolic degradation of TCE to VC. The fastest rates of anaerobic dechlorination typically occur under methanogenic conditions. Historically, methane was not detected in any monitoring wells; however, during the October 2014 sampling event methane was detected in one monitoring well (TMW-1) at 3.41 µg/L. No methane was detected in TMW-1 during the January 2015 sampling event: however, methane was detected in MW-14 at levels below the method detection limit.

Ethene is the non-toxic end product of reductive dechlorination (see Biotic Degradation Pathway of TCE on the previous page) and is a strong indication of complete reductive dechlorination. In January 2015 ethene was detected in MW-14 at levels below the method detection limit.

TOC provides a carbon source to drive the reductive dechlorination of chlorinated solvents. TOC concentrations greater than 20 mg/L are considered ideal for biodegradation of chlorinated solvents. All wells during the January 2015 sampling event had measurable TOC ranging from 1.7 mg/L (MW-13 and MW-14) to 14.4 mg/L (TMW-1). TOC concentrations in downgradient monitoring wells have increased as compared to historic data. The upgradient well TMW-1 displayed a significant increase in TOC from October 2014 to January 2015. As this higher TOC concentration water moves downgradient, it will likely improve the potential for reductive dechlorination.

Ferrous iron is produced during iron reduction, early in the anaerobic process. Thus, increases in ferrous iron are indicative of anaerobic conditions favorable for reductive dechlorination. Ferrous iron appeared in two wells (upgradient well TMW-1 and downgradient well TMW-4) which historically did not contain ferrous iron. All other monitoring wells were non-detect for ferrous iron.

Sulfide is the oxidized form of sulfate; therefore, lowering concentrations of sulfate are indicative of reducing conditions. Sulfate reduction occurs after iron reduction, indicating lower redox conditions. Sulfate increased in multiple wells (source area well MW-8 and downgradient monitoring wells MW-7, MW-13, MW-14, MW-17, and DMW-1) with concentrations ranging from 15 mg/L to non-detect. Excluding the deep well DWM-1, sulfate decreases with proximity to the source area.

In general, the reductive dechlorination indicator parameter data confirm that reductive conditions favorable for biodegradation of CVOCs are being established within the plume area and dechlorination is occurring in and downgradient of the source area. Future detections of cDCE and VC will likely occur as the groundwater contaminants degrade and the site sequentially remediates under natural attenuation processes.

4.0 Quality Assurance/Quality Control

Samples were delivered to Prism Laboratories under standard chain-of-custody documentation. Samples were received by the lab in good condition and met holding times and preservation requirements.

Field quality control checks during the sampling event consisted of the following:

- One laboratory-filled trip blank accompanied the sample cooler containing samples for VOC analysis. The trip blank was analyzed for VOCs by EPA Method 8260.

- A duplicate sample was taken.

The trip blank was non-detect for VOCs. Refer to the laboratory analytical report in Appendix B for QA sample results.

5.0 Summary and Conclusions

Groundwater samples were collected from nine monitoring wells on January 13, 2015, as outlined in the approved RAP. The following provides a summary of the results of this sampling event:

- The generalized groundwater flow direction is northeasterly and is consistent with previously documented flow conditions.
- TCE remains above its 2L Standard in three monitoring wells including the source area and is degrading to cDCE, which is above its 2L Standard in source area monitoring well MW-8..
- CVOCs show an overall steady concentration trend, and TCE is degrading to cDCE in multiple wells.
- Conditions within the plume are anoxic and are expected to reduce as sulfate is depleted on site. Increased concentrations of cDCE will occur as TCE continues to degrade.
- The CVOC plume is stable as evidenced by the primary COC, TCE, being degraded under natural attenuation processes.
- No CVOCs were detected above 2L groundwater standards in downgradient boundary wells MW-16 and MW-17.

Based upon historic data and the data collected in January 2015, H&H recommends continuing the quarterly monitoring schedule as outlined in the RAP. The next sampling event will be in April 2015.

Tables

Table 1
Summary of Monitoring Well Construction
and Groundwater Elevation Data
Trion, Inc. Facility
Sanford, North Carolina
H&H Job No. JCI-001

Date				03/01/11		05/12/11		05/17/12		06/20/13		10/23/14		01/13/15	
Well ID	TOC Elevation (ft)	Total Depth (ft below TOC)	Screen Interval (ft bgs)	Depth to Water (ft below TOC)	Groundwater Elevation (ft)	Depth to Water (ft below TOC)	Groundwater Elevation (ft)	Depth to Water (ft below TOC)	Groundwater Elevation (ft)	Depth to Water (ft below TOC)	Groundwater Elevation (ft)	Depth to Water (ft below TOC)	Groundwater Elevation (ft)	Depth to Water (ft below TOC)	Groundwater Elevation (ft)
TMW-1	283.63	64	49-64	8.98	274.65	9.32	274.31	8.12	275.51	8.20	275.43	8.38	275.25	4.44	279.19
TMW-2	274.34	23	8-23	6.89	267.45	7.78	266.56	7.92	266.42	6.00	268.34	NM	--	3.41	270.93
TMW-3	275.48	40	25-40	8.24	267.24	7.68	267.80	7.57	267.91	7.16	268.32	8.27	267.21	7.31	268.17
TMW-4	271.88	40	25-40	6.66	265.22	6.42	265.46	5.94	265.94	5.23	266.65	5.63	266.25	5.38	266.50
TMW-5	276.18	40	25-40	NM	--	6.21	269.97	5.75	270.43	4.95	271.23	6.64	269.54	5.96	270.22
MW-6	272.07	25	15-25	7.16	264.91	8.67	263.40	6.44	265.63	6.34	265.73	6.18	265.89	6.08	265.99
MW-7[1]	271.55	60	55-60	6.88	264.67	5.46	266.09	5.32	266.23	4.87	266.68	5.57	265.98	5.04	266.51
MW-8	272.42	35	20-35	6.53	265.89	5.99	266.43	5.76	266.66	5.01	267.41	5.60	266.82	5.54	266.88
MW-9	280.09	40	25-40	13.76	266.33	13.75	266.34	13.44	266.65	12.71	267.38	NM	--	12.95	267.14
MW-10	273.96	29	14-29	9.56	264.40	9.51	264.45	9.04	264.92	8.45	265.51	8.25	265.71	8.01	265.95
MW-11	280.43	38	23-38	12.88	267.55	12.36	268.07	12.41	268.02	11.81	268.62	12.67	267.76	12.30	268.13
MW-12	280.45	50	35-50	13.31	267.14	12.67	267.78	12.56	267.89	12.23	268.22	13.03	267.42	12.00	268.45
MW-13	273.05	50	35-50	20.20	252.85	18.22	254.83	19.08	253.97	18.13	254.92	20.03	253.02	18.24	254.81
MW-14	271.44	55	40-55	11.99	259.45	5.78	265.66	5.78	265.66	5.53	265.91	9.46	261.98	5.53	265.91
MW-15	266.80	50	35-50	5.31	261.49	3.94	262.86	3.50	263.30	3.69	263.11	6.32	260.48	NM	--
MW-16	266.39	50	35-50	NM	--	NM	--	8.77	257.62	7.89	258.50	11.23	255.16	7.52	258.87
MW-17	264.63	75	55-75	NM	--	NM	--	5.36	259.27	5.24	259.39	7.57	257.06	4.96	259.67
DMW-1[2]	273.35	100	80-100	NM	--	NM	--	21.12	252.23	21.25	252.10	24.38	248.97	20.81	252.54

Notes:
TOC = top of casing
bgs = below ground surface
NM = not measured
MW-7[1] - Type III monitoring well with outer casing set at 48 ft below TOC.
DMW-1[2] - Type III monitoring well with outer casing set at 75 ft below TOC.

Table 2
Summary of Groundwater Analytical Data (January 2015)
Trion, Inc. Facility
Sanford, North Carolina
H&H Job No. JCI-001

Well ID	Sample Date	VOCs (8260B)											
		Acetone	Chloroform	Chloromethane	Trichlorofluoromethane	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Toluene	1,2,4-Trichlorobenzene	Vinyl Chloride
Units		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Screening Criteria (1)		6,000	70	3	2,000	20	70	100	0.7	3	600	70	0.03
Screening Criteria (2)		20,000,000	35	220	160	2,300	NS	140	49	4.4	16,000	30	25
TMW-1	01/13/15	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
TMW-4	01/13/15	<5.0	<0.50	<0.50	<0.50	<0.50	67	4.3	<0.50	**15**	<0.50	<1.0	<0.50
MW-7	01/13/15	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-8	01/13/15	<5.0	<0.50	0.65	<0.50	<0.50	**130**	10	<0.50	**62**	<0.50	<1.0	<0.50
MW-13	01/13/15	<5.0	0.65	<0.50	<0.50	<0.50	45	1.7	<0.50	**29**	<0.50	<1.0	<0.50
MW-14	01/13/15	<5.0	<0.50	0.94	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-16	01/13/15	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-17	01/13/15	<5.0	<0.50	<0.50	<0.50	<0.50	4.8	<0.50	<0.50	2.1	<0.50	<1.0	<0.50
DMW-1	01/13/15	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50

Notes:
1) Analytical results compared to NC DENR 15A NCAC 2L Groundwater Standards, revised April 1, 2013
2) Analytical results compared to NC DENR Inactive Hazardous Sites Branch (IHSB) Industrial
Vapor Intrusion Preliminary Acceptable Groundwater Concentrations, revised June 2014
Only those compounds detected in at least one sample are shown above
Bold indicates an exceedance of the 2L Groundwater screening criteria referenced in note 1
Shaded indicates an exceedance of the IHSB screening criteria referenced in note 2
Method number follows parameter in parenthesis
VOCs= Volatile Organic Compound
NA = Not Analyzed, NS = Screening criteria not specified

Table 3
Summary of Historical Groundwater Analytical Data
Trion, Inc. Facility
Sanford, North Carolina
H&H Job No. JCI-001

Well ID	Sample Date	VOCs (8260B)											
		Acetone	Chloroform	Chloromethane	Trichlorofluoromethane	1,2-Dichlorobenzene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Toluene	1,2,4-Trichlorobenzene	Vinyl Chloride
Units		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Screening Criteria (1)		6,000	70	3	2,000	20	70	100	0.7	3	600	70	0.03
Screening Criteria (2)		20,000,000	35	220	160	2,300	NS	140	49	4.4	16,000	30	25
TMW-1	02/26/08	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	03/01/11	6.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
	10/23/14	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
TMW-2	02/26/08	<25.0	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	03/02/11	13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
TMW-3	02/26/08	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	0.86 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	03/01/11	<5.0	<0.50	<0.50	0.94	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
TMW-4	02/26/08	<25.0	<1.0	<1.0	<1.0	<1.0	30.2	2.0	<1.0	**9.5**	<1.0	<1.0	<0.50
	03/13/08	<25.0	<1.0	<1.0	<1.0	<1.0	35.6	2.9	<1.0	**10.9**	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	<1.0	<1.0	48.0	3.2	<1.0	**13.3**	<1.0	<1.0	<0.50
	03/02/11	<5.0	<0.50	<0.50	<0.50	<0.50	49	3.6	<0.50	**10**	<0.50	<1.0	<0.50
	10/23/14	<5.0	<0.50	<0.50	<0.50	<0.50	62	3.7	<0.50	**12**	<0.50	<1.0	<0.50
TMW-5	02/26/08	<25.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	05/12/11[3]	<5.0	<0.50	<0.50	2.2	<0.50	<0.50	<0.50	0.57	<0.50	<0.50	<1.0	<0.50
MW-6	09/10/09	<25.0	<1.0	<1.0	<1.0	<1.0	0.27 J	<1.0	<1.0	2.9	<1.0	<1.0	<0.50
	03/02/11	16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<1.0	<0.50
MW-7	04/23/08	2.9 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.69 J	<1.0	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	03/02/11	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
	10/23/14	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-8	04/23/08	<25.0	<1.0	<1.0	<1.0	0.56 J	38.9	2.9	<1.0	**12.7**	<1.0	3.9	<0.50
	09/10/09	<25.0	0.14 J	<1.0	<1.0	<1.0	**113**	9.5	<1.0	**61.6**	<1.0	<1.0	<0.50
	03/01/11	<5.0	<0.50	<0.50	<0.50	<0.50	**160**	12	<0.50	**61**	<0.50	<1.0	<0.50
	06/20/13	<5.0	<0.50	<0.50	<0.50	<0.50	**160**	13	<0.50	**72**	<0.50	<1.0	<0.50
	10/23/14	<5.0	<0.50	<0.50	<0.50	<0.50	**130**	10	<0.50	**55**	<0.50	<1.0	<0.50
MW-9	05/01/08	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	<1.0	<1.0	0.30 J	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	03/02/11	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-10	04/23/08	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	0.27 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	03/01/11	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-11	05/01/08	<25.0	<1.0	<1.0	<1.0	<1.0	**137**	6.2	<1.0	2.3	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	<1.0	<1.0	27.4	0.94 J	<1.0	1.8	<1.0	<1.0	<0.50
	03/01/11	<5.0	<0.50	<0.50	<0.50	<0.50	51	2.6	<0.50	1.8	<0.50	<1.0	<0.50
MW-12	05/01/08	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	09/10/09	<25.0	<1.0	<1.0	0.22 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
	03/01/11	7.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-13	03/02/11	<5.0	<0.50	<0.50	<0.50	<0.50	37	1.8	<0.50	**30**	<0.50	<1.0	<0.50
	05/12/11[4]	<5.0	<0.50	<0.50	<0.50	<0.50	39	1.8	<0.50	**34**	<0.50	<1.0	<0.50
	06/20/13	<5.0	<0.50	<0.50	<0.50	<0.50	40	2.0	<0.50	**36**	<0.50	<1.0	<0.50
	10/23/14	<5.0	0.65	<0.50	<0.50	<0.50	47	1.8	<0.50	**25**	<0.50	<1.0	<0.50
MW-14	03/02/11	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
	06/20/13	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
	10/23/14	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-15	03/02/11	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<1.0	<0.50
MW-16	05/18/12	41.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
	10/23/14	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
MW-17	05/18/12	<5.0	<0.50	<0.50	<0.50	<0.50	8.1	<0.50	<0.50	**4.9**	<0.50	<1.0	<0.50
	06/20/13	<5.0	<0.50	<0.50	<0.50	<0.50	5.3	<0.50	<0.50	2.7	<0.50	<1.0	<0.50
	10/23/14	<5.0	<0.50	<0.50	<0.50	<0.50	5.8	<0.50	<0.50	2.4	<0.50	<1.0	<0.50
DMW-1	05/18/12	7.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50
	06/20/13	**6,500**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	**0.70**
	08/02/13	**11,000**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**0.52**
	08/22/13	1,900	<25	<12	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0
	09/11/13	**7,780**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.50	<1.00
	12/11/13	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.83	<0.50	<0.50	<0.50
	12/18/13[5]	<5.0	4.8	<0.50	<0.50	<0.50	0.65	<0.50	<0.50	1.8	<0.50	<0.50	<0.50
	10/23/14	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50

Notes:
1) Analytical results compared to NC DENR 15A NCAC 2L Groundwater Standards, revised April 1, 2013
2) Analytical results compared to NC DENR IHSB Industrial Vapor Intrusion Preliminary Acceptable Groundwater Concentrations, revised June 2014
3) Sample collected from TMW-5 on 5/12/11 due to well obstruction during 3/1/11 - 3/2/11 sampling event
4) Sample collected from MW-13 on 5/12/11 to confirm concentrations detected during 3/2/11 sampling event
5) Sample collected on 12/18/13 (DMW-1), trip blank contained 1.1 (µg/L) chloroform
Only those compounds detected in at least one sample are shown above
Bold indicates an exceedance of the 2L Groundwater screening criteria referenced in Note 1
Shaded indicates an exceedance of the IHSB screening criteria referenced in Note 2
Method number follows parameter in parenthesis
VOCs= Volatile Organic Compounds
NA = Not Analyzed, NS = Screening criteria not specified

Table 4
Summary of MNA Data (January 2015)
Trion, Inc. Facility
Sanford, North Carolina
H&H Job No. JCI-001

Well ID	Sample Date	MNA Parameters											
		Dissolved Oxygen (mg/L)	pH (standard units)	Conductivity (µs/cm^2)	ORP (mV)	Chloride (mg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Total Organic Carbon (mg/L)
TMW-1	01/13/15	7.35	8.01	245	150.5	23	<0.087	<0.071	<0.435	0.44	15	0.2	14.4
TMW-4	01/13/15	3.28	6.99	266	153.3	11	<0.087	<0.071	<0.435	0.17	<1.0	0.4	3.4
MW-7	01/13/15	3.64	8.09	260	161.3	5.3	<0.087	<0.071	<0.435	0.31	2.9	0	2.4
MW-8	01/13/15	3.01	7.30	360	147.0	13	<0.087	<0.071	<0.435	0.19	1.1	0	3.1
MW-13	01/13/15	2.58	8.22	232	112.8	16	<0.087	<0.071	<0.435	0.44	7.7	0	1.7
MW-14	01/13/15	6.03	11.79	398	-16.8	4.4	<0.087	0.699J	0.785J	0.36	6	0	1.7
MW-16	01/13/15	4.29	7.59	244	144.6	7.7	<0.087	<0.071	<0.435	0.10	<1.0	0	2.6
MW-17	01/13/15	2.28	6.25	178	165.6	9.5	<0.087	<0.071	<0.435	0.74	9.1	0	2.9
DMW-1	01/13/15	2.37	8.58	223	125.4	3.5	<0.087	<0.071	<0.435	0.12	1.5	0	1.9

Notes:

1) DMW-1 purged and re-developed on 8/2/2013

2) Dissolved oxygen, pH, conductivity, and ORP stabilization parameters obtained from YSI 556.
Ferrous iron obtained from HACH field test kit.
Total Organic Carbon was analyzed by Standard Method 5310B; Methane, Ethane, Ethene by Method RSK-175; Chloride, Sulfate, and Nitrate as N by Method 9056A.

3) TMW-1 is upgradient of the plume and is shown for comparison to background levels.

NA = Not Analyzed, ND= Not Detected

MNA= Monitored Natural Attenuation

Table 5
Summary of Historical MNA Data
Trion, Inc. Facility
Sanford, North Carolina
H&H Job No. JCI-001

Well ID	Sample Date	MNA Parameters											
		Dissolved Oxygen (mg/L)	pH (standard units)	Conductivity (µs/cm^2)	ORP (mV)	Chloride (mg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Nitrate as N (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Total Organic Carbon (mg/L)
TMW-1	6/20/2013	3.57	7.12	366	-3.1	13	<1.00	<1.00	<5.00	0.05	14	NA	4.2
	10/23/2014	0.46	7.47	427	-72.1	13	<0.087	0.760J	3.41	<0.10	11	0	3.1
TMW-4	3/2/2011	1.35	7.35	417	28.6	NA	NA	NA	NA	NA	NA	NA	NA
	10/23/2014	0.51	7.28	402	-30.2	10	<0.087	<0.071	<0.435	0.13	<1.0	0	0.78J
MW-7	3/2/2011	1.69	8.12	340	38.6	NA	NA	NA	NA	NA	NA	NA	NA
	10/23/2014	0.23	7.65	289	-58.9	5.0	<0.087	0.305J	<0.435	<0.10	<1.0	0.5	0.30U
MW-8	6/20/2013	0.42	6.95	403	33.2	13	<1.00	<1.00	<5.00	0.26	2.2	0.25	1.1
	10/23/2014	0.55	7.01	364	48.0	13	<0.087	<0.071	<0.435	0.22	1.0	0	0.30U
MW-13	3/2/2011	4.60	7.31	434	48.1	NA	NA	NA	NA	NA	NA	NA	NA
	5/12/2011	2.18	6.27	454	142.5	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2013	2.60	8.48	323	15.2	15	<1.00	<1.00	<5.00	0.52	10	ND	1.0
	10/23/2014	3.55	8.04	210	-69.2	16	<0.087	<0.071	<0.435	0.47	7.1	0	1.1
MW-14	3/2/2011	5.21	8.14	351	45.1	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2013	1.09	9.06	236	15.2	NA	NA	NA	NA	NA	NA	ND	NA
	10/23/2014	3.34	9.82	219	82.5	4.1	<0.087	0.677J	<0.435	0.27	5.1	0.2	2.8
MW-16	5/18/2012	1.31	7.61	301	6.4	NA	NA	NA	NA	NA	NA	NA	NA
	10/23/2014	0.35	6.73	223	261.2	7.7	<0.087	<0.071	<0.435	0.13	<1.0	1.0	1.8
MW-17	5/18/2012	1.48	6.93	395	37.5	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2013	3.67	6.27	195	153.7	8.8	<1.00	<1.00	<5.00	0.66	12	0.25	2.4
	10/23/2014	1.89	5.83	195	96.0	9.7	<0.087	<0.071	<0.435	1.1	8.2	0	3.1
DMW-1	5/18/2012	3.31	11.84	826	-96.1	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2013	6.13	11.11	452	-55.8	NA	NA	NA	NA	NA	NA	ND	NA
	8/2/2013	6.66	10.07	426	-91.2	NA	NA	NA	NA	NA	NA	NA	NA
	8/22/2013	4.22	10.80	397	-68.5	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/2013	5.31	11.06	413	-3.5	NA	NA	NA	NA	NA	NA	NA	NA
	10/23/2014	6.19	8.47	250	130.0	3.6	<0.087	<0.071	<0.435	0.13	1.3	0	0.30U

Notes:

1) DMW-1 purged and re-developed on 8/2/2013

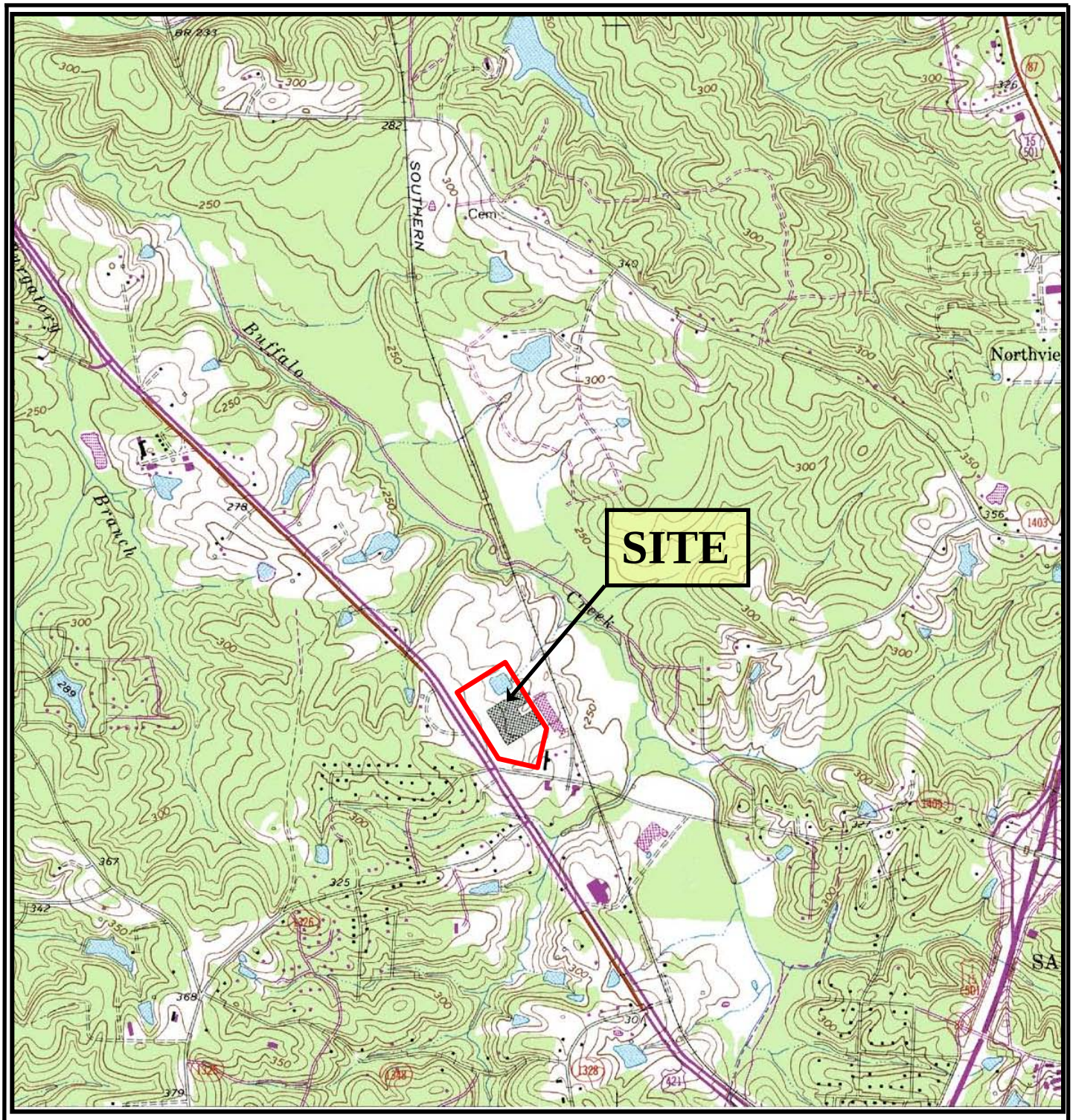
2) Dissolved oxygen, pH, conductivity, and ORP stabilization parameters obtained from YSI 556.
Ferrous iron obtained from HACH field test kit.
Total Organic Carbon was analyzed by Standard Method 5310B; Methane, Ethane, Ethene by Method RSK-175; Chloride, Sulfate, and Nitrate as N by Method 9056A.

3) TMW-1 is upgradient of the plume and is shown for comparison to background levels.

NA = Not Analyzed, ND= Not Detected

MNA= Monitored Natural Attenuation

Figures



N

0 2000 4000

APPOXIMATE SCALE IN FEET

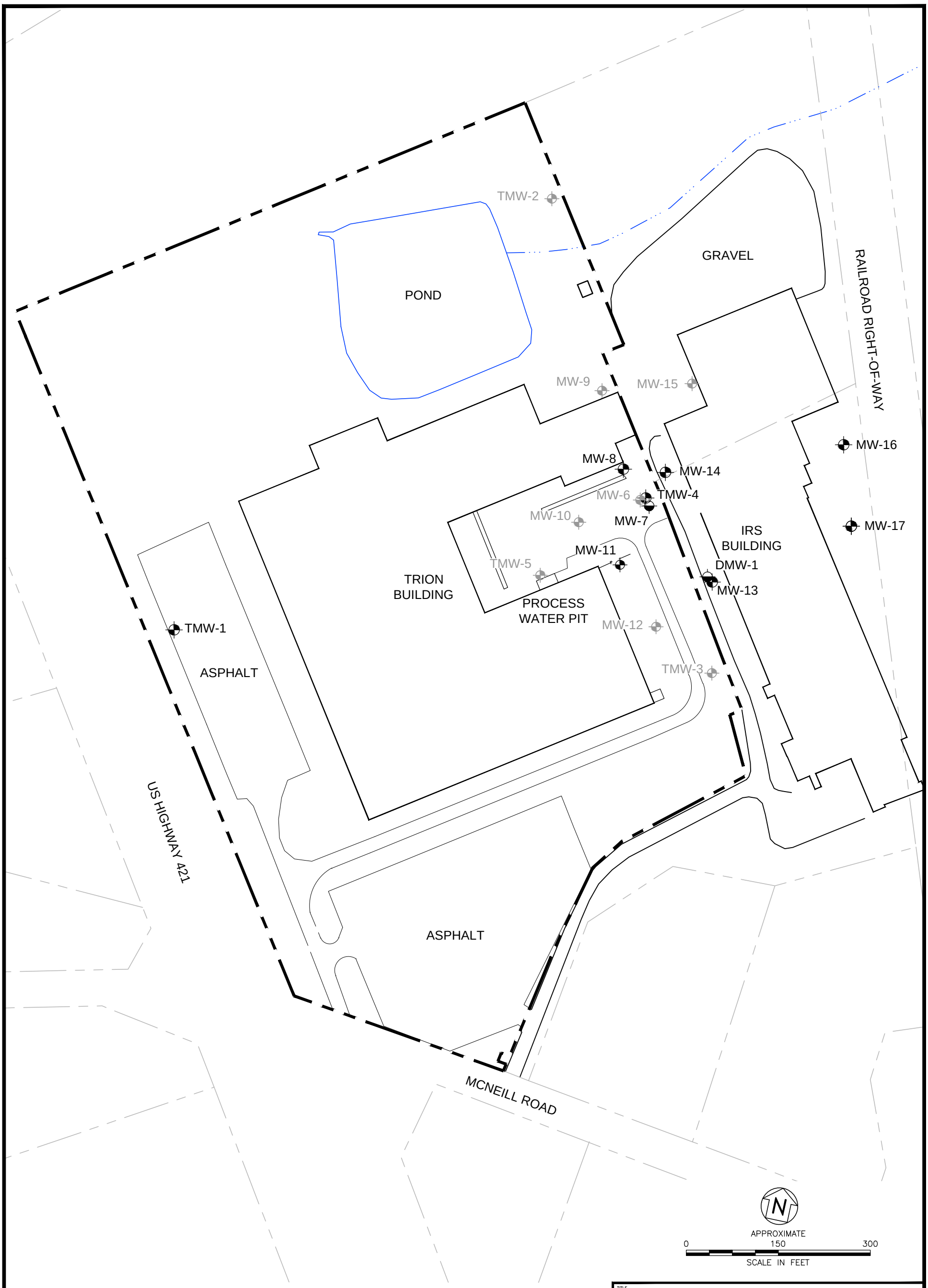
U.S.G.S. QUADRANGLE MAP

COLON, NC 1970, REVISED 1981

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE	**SITE LOCATION MAP**
PROJECT	**TRION, INC. FACILITY** 101 MCNEILL ROAD SANFORD, NORTH CAROLINA
hart hickman SMARTER ENVIRONMENTAL SOLUTIONS	3334 HILLSBOROUGHSTREET RALEIGH, NORTH CAROLINA (919) 847-4241

DATE:	2-18-15	REVISION NO:	0
JOB NO:	JCI-001	FIGURE NO:	1



LEGEND

- SITE PROPERTY
- PROPERTY PARCEL
- INTERMITTENT STREAM
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- NOT IN MONITORING NETWORK

TITLE

SITE MAP

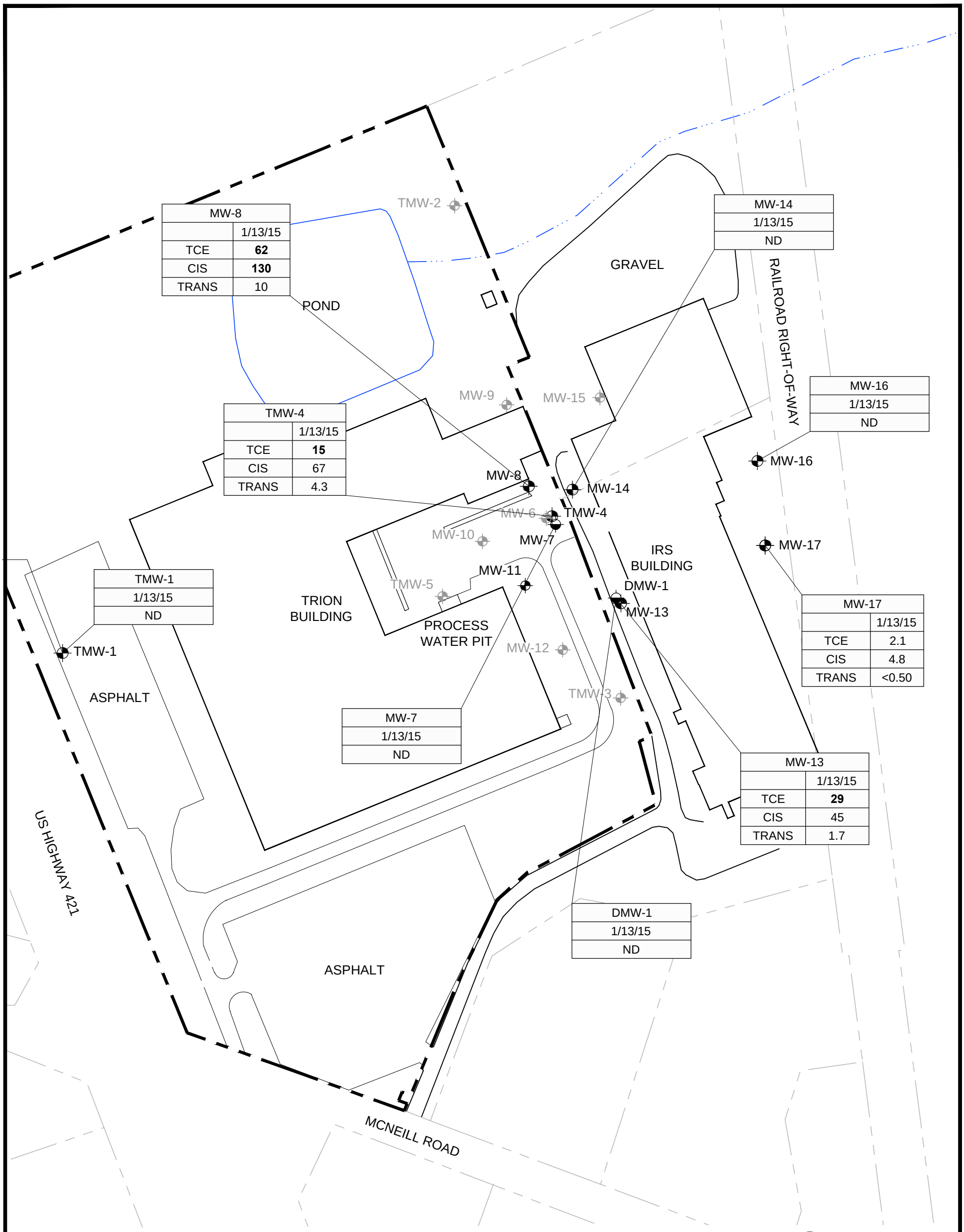
PROJECT

TRION, INC. FACILITY
101 MCNEILL ROAD
SANFORD, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)
License # C-1269 / #C-245 Geology

DATE: 2–18–15	REVISION NO. 0
JOB NO. JCI–001	FIGURE NO. 2



LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- NOT INCLUDED IN MONITORING NETWORKING.
- SITE PROPERTY
- PROPERTY PARCEL
- INTERMITTENT STREAM

TMW-4	
	1/13/15
TCE	**15**
CIS	67
TRANS	4.3

SAMPLE IDENTIFICATION
SAMPLE DATE
ANALYTICAL RESULT (µg/L)
CONSTITUENT

TMW-1
1/13/15
ND

NON DETECT

APPROXIMATE
0 150 300
SCALE IN FEET

NOTES:

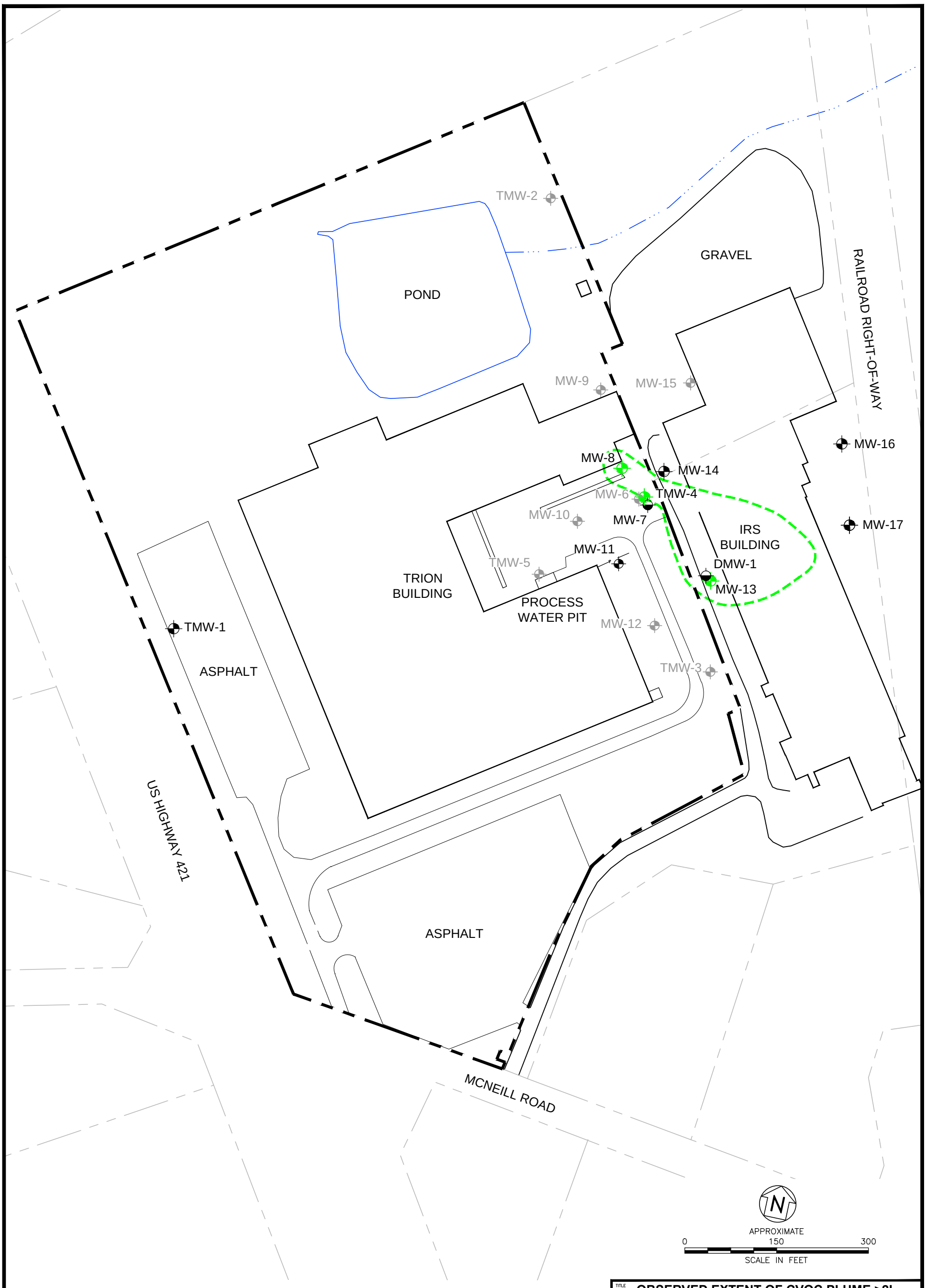
1. GROUNDWATER SAMPLES COLLECTED ON 1-13-15.
2. TCE = TRICHLOROETHENE
3. CIS = CIS-1,2-DICHLOROETHENE
4. TRANS = TRANS-1,2-DICHLOROETHENE
5. VC = VINYL CHLORIDE
6. **BOLD** VALUES EXCEED 2L STANDARDS

TITLE
GROUNDWATER CONTAMINANT CONCENTRATION MAP JANUARY 2015

PROJECT
TRION, INC. FACILITY
101 MCNEILL ROAD
SANFORD, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)
License # C-1269 / #C-245 Geology

DATE: 2–18–15 | REVISION NO. 0
JOB NO. JCI–001 | FIGURE NO. 4



LEGEND

- SITE PROPERTY
- PROPERTY PARCEL
- INTERMITTENT STREAM
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- CVOC PLUME ABOVE 2L STANDARDS
- WELL IMPACTED BY CVOCs ABOVE 2L STANDARDS

NOTES:

1. GROUNDWATER SAMPLES WERE COLLECTED JANUARY 13, 2015.
2. CVOC - CHLORINATED VOLATILE ORGANIC COMPOUNDS

TITLE
OBSERVED EXTENT OF CVOC PLUME >2L STANDARDS JANUARY 2015

PROJECT
TRION, INC. FACILITY
101 MCNEILL ROAD
SANFORD, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS
3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)
License # C-1269 / #C-245 Geology

DATE: 2–18–15	REVISION NO. 0
JOB NO. JCI–001	FIGURE NO. 5

Appendix A

Certification Forms

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 1 OF 2
IHSB SITE NAME Trion, Inc. Site NONCD 0002843
DATE & NAME OF DOCUMENT February 25, 2015, Groundwater Monitoring Report
TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

REMEDIATING PARTY DOCUMENT CERTIFICATION STATEMENT (.0306(B)(2))

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Jeff Werwie, P.E. CHMM
Name of Remediating Party

Signature of Remediating Party

3-2-2015
Date

NOTARIZATION

Oklahoma (Enter State)

Cleveland **COUNTY**

I, Connie J Hobby, a Notary Public of said County and State, do hereby certify that Jeff Werwie did personally appear and sign before me this day, produced proper identification in the form of Driver License, was duly sworn or affirmed, and declared that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 2 day of March, 2015.

Connie J. Hobby
Notary Public (signature)

(OFFICIAL SEAL)

My commission expires: 3/9/18.

CONNIE T. HOBBY
NOTARY
04002240
EXP. 03/09/18
PUBLIC
STATE OF OKLAHOMA

Document Certification Form No. DC - I
(Revised 8/11)

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME Trion, Inc. NONCD 0002843
DATE & NAME OF DOCUMENT February 25, 2015 Groundwater Monitoring Report
TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

REGISTERED SITE MANAGER CERTIFICATION OF SIGNATURES

As the Registered Environmental Consultant for the Site for which this filing is made, I certify that the signatures included herewith are genuine and authentic original handwritten signatures and/or true, accurate, and complete copies of the genuine and authentic original handwritten signatures of the persons who purport to sign for this filing. I further certify that I have collected through reliable means the originals and/or copies of said signatures from the persons authorized to sign for this filing who, in fact, signed the originals thereof. Those persons and I understand and agree that any copies of signatures have the same legally binding effect as original handwritten signatures, and I certify that any person for whom I am submitting a copy of their signature has provided me with their express consent to submit said copy. Additionally, I certify that I am authorized to attest to the genuineness and authenticity of the signatures, both originals and any copies, being submitted herewith and that by signing below, I do in fact attest to the genuineness and authenticity of all the signatures, both originals and copies, being submitted for this filing.

Leonard Moretz
Name of Registered Site Manager

Leonard Moretz
Signature of Registered Site Manager

March 3, 2015
Date

REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENT (.0306(b)(1))

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Leonard Moretz
Name of Registered Site Manager

Leonard Moretz
Signature of Registered Site Manager

March 3, 2015
Date

NOTARIZATION

North Carolina (Enter State)

Wake COUNTY

I, Alan M. Green, a Notary Public of said County and State, do hereby certify that Leonard C. Moretz did personally appear and sign before me this day, produced proper identification in the form of NCDL 2767253, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed these Certifications in my presence.

WITNESS my hand and official seal this 3 day of March, 2015.

Alan M. Green
Notary Public (signature)

(OFFICIAL SEAL)

ALAN M GREEN NOTARY PUBLIC WAKE COUNTY, NC

My commission expires: 12-3-17.

Document Certification Form No. DC - II
(Revised 8/11)

Appendix B

Groundwater Sampling Forms

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: DMW-1

Well Location: Sanford, NC

Date: 1/13/15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 100 Depth to Water (ft): ~~20.81~~ 18.24 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson, _____

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: 98 ft.

Weather Conditions: 30's raining NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1200	21.38	NM	150 ml/m	5.16	11.62	229	7.89	146.6	3.42
1205	21.50			3.82	10.15	218	8.26	144.3	2.70
1210	21.63			2.72	10.48	221	8.48	141.8	1.86
1215	21.77			2.48	10.78	222	8.52	137.7	2.36
1220	21.90			2.37	10.84	223	8.58	135.4	2.13

Other Sample Parameters: _____ Ferrous Iron: 0 mg/L

Sampled at: 1220 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by _____ courier _____ at _____.

Field Filtration: ( ) Yes (X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas), TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: MW-8

Well Location: Sanford, NC

Date: 1-13-15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 35 Depth to Water (ft): 5.54 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: 33 ft.

Weather Conditions: 30's, Rain NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1045	6.46	NM	<200 ml/min	3.80	12.52	342	7.44	144.3	3.88
1050	6.88			3.71	13.83	358	7.35	150.0	3.15
1055	7.06			3.06	14.16	360	7.31	149.1	4.08
1100	7.31			2.95	13.84	358	7.30	148.5	3.25
1105	7.74			3.03	13.85	358	7.30	147.9	3.83
1110	8.01			3.01	13.99	360	7.30	147.0	2.85

Other Sample Parameters: Ferrous Iron: 0 mg/L

Sampled at: 1115 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by _____ courier _____ at _____.

Field Filtration: ( ) Yes ((X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas), TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: MW-7

Well Location: Sanford, NC

Date: 1-13-15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 60 Depth to Water (ft): 5.70 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: 55 ft.

Weather Conditions: 35°, Rain NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
920	5.70	NA	NA	7.26	15.26	217	7.48	180.7	6.0
925	6.02	↓	↓	6.86	15.51	217	7.90	177.1	9.43
930	6.27	↓	↓	6.31	13.59	227	8.06	170.7	8.80
935	6.44	↓	↓	5.73	14.22	231	8.07	168.1	7.41
940	6.57	↓	↓	4.45	14.97	245	8.08	165.8	7.15
945	6.65	↓	↓	3.94	15.06	250	8.08	165.1	6.76
950	6.72	↓	↓	3.81	14.00	255	8.09	165.4	6.30
955	6.81	↓	↓	3.64	14.87	260	8.09	164.3	5.60

Other Sample Parameters: _____ Ferrous Iron: 0 mg/L

Sampled at: 1000 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by _____ courier _____ at _____.

Field Filtration: ( ) Yes ((X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas), TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: MW-13

Well Location: Sanford, NC

Date: 1-13-15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 50 Depth to Water (ft): ~~20.81~~ 18.24 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: 45 ft.

Weather Conditions: _____ NOTES: DUP-1 @ 1245

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1150	19.14	NA	<250	6.41	12.05	225	8.23	106.5	4.00
1155	19.49			5.45	17.83	228	8.23	111.8	3.65
1200	19.75			5.51	13.18	228	8.24	113.5	4.99
1205	20.11			4.89	13.51	231	8.24	113.5	9.32
1210	20.35			3.97	13.33	234	8.25	113.0	8.08
1215	20.58			3.36	13.32	235	8.23	113.0	6.78
1220	20.77			3.03	13.06	235	8.23	112.1	5.99
1225	20.71			2.55	12.24	231	8.23	112.1	7.40
1230	20.82			2.58	12.77	232	8.22	112.8	5.12

Other Sample Parameters: _____ Ferrous Iron: 0 mg/L

Sampled at: 1235 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by _____ courier _____ at _____.

Field Filtration: ( ) Yes ((X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas), TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: MW-14

Well Location: Sanford, NC

Date: 1-13-15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 55 Depth to Water (ft): 5.53 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson, _____

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: 53 ft.

Weather Conditions: 30's, Drizzle + Overcast NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1505	7.02	NA	<200mL/min	6.77	11.89	363	11.69	6.7	3.15
1510	7.92	–	–	6.41	13.44	381	11.79	-0.1	2.14
1515	8.77	–	–	6.43	13.73	393	11.78	-7.7	6.73
1520	9.31	–	–	6.11	13.88	397	11.79	-11.0	8.52
1525	9.96	–	–	5.97	13.54	398	11.79	-13.3	9.97
1530	10.22	–	–	6.03	13.22	398	11.79	-16.8	5.41

Other Sample Parameters: _____ Ferrous Iron: 0 mg/L

Sampled at: 1535 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by _____ courier _____ at _____.

Field Filtration: ( ) Yes ((X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas),

TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: MW-11R

Well Location: Sanford, NC

Date: 1-13-15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 50 Depth to Water (ft): ~~7.52~~ 7.52 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: 48 ft.

Weather Conditions: 30's raining NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1330	8.04	NM	150 ml	5.46	12.72	239	8.30	>150	2.12
1335	8.16			4.76	13.03	242	7.91	153.9	2.70
1340	~~8.27~~			4.22	13.22	244	7.73	147.9	3.12
1345	8.32			4.49	13.41	244	7.65	146.3	2.37
1350	8.46			4.29	13.60	244	7.59	144.6	2.26

Other Sample Parameters: Ferrous Iron: 0 mg/L

Sampled at: 1350 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by _____ courier _____ at _____.

Field Filtration: ( ) Yes ((X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas), TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: MW-17

Well Location: Sanford, NC

Date: 1-13-15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 75 Depth to Water (ft): 4.96 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: 70 ft.

Weather Conditions: 30's, Rain NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1330	5.68	NA	<200 mL/min	6.14	12.19	179	6.41	132.4	3.56
1335	5.74	—	—	3.03	12.35	178	6.33	145.5	2.95
1340	5.81	—	—	2.75	12.45	179	6.29	153.1	2.23
1345	5.86	—	—	2.46	12.34	179	6.27	157.1	2.71
1350	5.89	—	—	2.21	12.50	178	6.27	161.5	1.71
1355	5.92	—	—	2.28	12.48	178	6.25	165.6	3.93

Other Sample Parameters: Ferrous Iron: 0 mg/L

Sampled at: 14:00 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by _____ courier _____ at _____.

Field Filtration: ( ) Yes (X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas), TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: TMW-1

Well Location: Sanford, NC

Date: 1-13-15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 60' Depth to Water (ft): 4.44 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: 62 ft.

Weather Conditions: 30's raining NOTES: [illegible]

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
1510	5.40	NM	450	7.40	13.32	282	7.76	167.7	24.5
1515	5.76			8.35	11.08	276	7.85	160.4	24.1
1520	5.95			7.70	9.63	254	7.87	166.5	22.2
1525	6.23			7.23	9.60	257	7.84	164.3	23.0
1530	6.61			6.96	9.44	255	7.92	159.5	23.1
1535	6.81			7.20	9.40	254	7.97	156.0	22.8
1540	~~6.94~~ 7.10			6.95	9.50	253	7.98	154.9	22.8
1545	7.38			7.07	9.43	245	7.99	152.7	22.7
1550	7.72			7.27	9.35	245	8.00	151.6	22.5
1555	7.95			7.35	9.60	245	8.01	150.5	22.5

Other Sample Parameters: Ferrous Iron: 0.2 mg/L

Sampled at: 1555 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by courier at _____.

Field Filtration: ( ) Yes (X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas), TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

hart hickman

SMARTER ENVIRONMENTAL SOLUTIONS

LOW-FLOW GROUND WATER SAMPLING RECORD

Stabilization Criteria
DO +/- 0.3 mg/l
Turb. +/- 10% (<10 NTUs)
S. Cond. +/- 3%
ORP +/- 10 mV
pH +/- 0.1 unit

Job No: JCI-001

Well ID: TMW-4

Well Location: Sanford, NC

Date: 1/13/15

Facility Name: Trion, Inc.

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 40 Depth to Water (ft): 5.31 Well Diameter: 2"

Sampling Personnel: Leatha Moretz, Laura Robertson

Type of Pump: Peristaltic Tubing Material: 1/4" poly Pump/Tubing set at: _____ ft.

Weather Conditions: 30's raining NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH (SU)	ORP (mV)	Turbidity (NTU)
930	6.18	NM	150ml/min	4.37	13.01	356	6.96	202.1	6.93
935	6.79			4.03	11.66	304	6.91	175.8	5.76
940	7.02			4.65	10.09	280	6.81	171.0	4.32
945	7.32			4.01	9.55	268	6.77	167.0	3.72
950	7.43			3.45	9.49	268	6.89	161.4	3.01
955	7.59			3.33	9.59	267	6.94	154.9	3.00
1000	7.75			3.28	9.52	266	6.99	153.3	5.01

Other Sample Parameters: Ferrous Iron: 0.4 mg/L

Sampled at: 1002 Parameters taken with: YSI-556 and Hanna Turbidity Meter

Sample Delivered to: Prism Laboratories by _____ courier _____ at _____.

Field Filtration: ( ) Yes ((X) If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): VOC 8260 (2 HCL voas HCL and 2 non-pres voas), TOC 5310B (3 amber HCL voas), Anions by 9056A (250mL plastic), MEE RSK 175 (3 HCL voas),

Appendix C

Laboratory Analytical Report

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307
NELAC Cert No. E87519

Case Narrative

01/27/2015

Hart & Hickman (Raleigh)
Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Lab Submittal Date: 01/15/2015
Prism Work Order: 5010234

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Narrative Notes:

Methane, Ethane, Ethene and TOC analysis was subcontracted to GCAL. Laboratory report is attached.

The results in this report relate only to the samples as submitted to the laboratory and the test results meet all requirements of NELAC except for those instances indicated in the case narrative and/or test comments.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Robbi A. Jones

President/Project Manager

Reviewed By Robbi A. Jones

President/Project Manager

Data Qualifiers Key Reference:

BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

Sample Receipt Summary

01/27/2015

Prism Work Order: 5010234

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
TMW-1	5010234-01	Water	01/13/15	01/15/15
TMW-4	5010234-02	Water	01/13/15	01/15/15
DMW-1	5010234-03	Water	01/13/15	01/15/15
MW-7	5010234-04	Water	01/13/15	01/15/15
MW-8	5010234-05	Water	01/13/15	01/15/15
MW-13	5010234-06	Water	01/13/15	01/15/15
MW-14	5010234-07	Water	01/13/15	01/15/15
MW-16	5010234-08	Water	01/13/15	01/15/15
MW-17	5010234-09	Water	01/13/15	01/15/15
DUP-1	5010234-10	Water	01/13/15	01/15/15
Trip Blank	5010234-11	Water	01/13/15	01/15/15

Samples were received in good condition at 1.6 degrees C unless otherwise noted.

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

01/27/2015

Prism Work Order: 5010234

Prism ID	Client ID	Parameter	Method	Result	Units
5010234-01	TMW-1	Chloride	*9056A	23	mg/L
5010234-01	TMW-1	Nitrate as N	*9056A	0.44	mg/L
5010234-01	TMW-1	Sulfate	*9056A	15	mg/L
5010234-02	TMW-4	Chloride	*9056A	11	mg/L
5010234-02	TMW-4	Nitrate as N	*9056A	0.17	mg/L
5010234-02	TMW-4	cis-1,2-Dichloroethylene	*8260B	67	ug/L
5010234-02	TMW-4	trans-1,2-Dichloroethylene	*8260B	4.3	ug/L
5010234-02	TMW-4	Trichloroethylene	*8260B	15	ug/L
5010234-03	DMW-1	Chloride	*9056A	3.5	mg/L
5010234-03	DMW-1	Nitrate as N	*9056A	0.12	mg/L
5010234-03	DMW-1	Sulfate	*9056A	1.5	mg/L
5010234-04	MW-7	Chloride	*9056A	5.3	mg/L
5010234-04	MW-7	Nitrate as N	*9056A	0.31	mg/L
5010234-04	MW-7	Sulfate	*9056A	2.9	mg/L
5010234-05	MW-8	Chloride	*9056A	13	mg/L
5010234-05	MW-8	Nitrate as N	*9056A	0.19	mg/L
5010234-05	MW-8	Sulfate	*9056A	1.1	mg/L
5010234-05	MW-8	cis-1,2-Dichloroethylene	*8260B	130	ug/L
5010234-05	MW-8	trans-1,2-Dichloroethylene	*8260B	10	ug/L
5010234-05	MW-8	Trichloroethylene	*8260B	62	ug/L
5010234-06	MW-13	Chloride	*9056A	16	mg/L
5010234-06	MW-13	Nitrate as N	*9056A	0.44	mg/L
5010234-06	MW-13	Sulfate	*9056A	7.7	mg/L
5010234-06	MW-13	Chloroform	*8260B	0.65	ug/L
5010234-06	MW-13	cis-1,2-Dichloroethylene	*8260B	45	ug/L
5010234-06	MW-13	trans-1,2-Dichloroethylene	*8260B	1.7	ug/L
5010234-06	MW-13	Trichloroethylene	*8260B	29	ug/L
5010234-07	MW-14	Chloride	*9056A	4.4	mg/L
5010234-07	MW-14	Nitrate as N	*9056A	0.36	mg/L
5010234-07	MW-14	Sulfate	*9056A	6.0	mg/L
5010234-07	MW-14	Chloromethane	*8260B	0.94	ug/L
5010234-08	MW-16	Chloride	*9056A	7.7	mg/L
5010234-08	MW-16	Nitrate as N	*9056A	0.10	mg/L
5010234-09	MW-17	Chloride	*9056A	9.5	mg/L
5010234-09	MW-17	Nitrate as N	*9056A	0.74	mg/L
5010234-09	MW-17	Sulfate	*9056A	9.1	mg/L
5010234-09	MW-17	cis-1,2-Dichloroethylene	*8260B	4.8	ug/L
5010234-09	MW-17	Trichloroethylene	*8260B	2.1	ug/L
5010234-10	DUP-1	Chloride	*9056A	16	mg/L
5010234-10	DUP-1	Nitrate as N	*9056A	0.43	mg/L
5010234-10	DUP-1	Sulfate	*9056A	7.8	mg/L
5010234-10	DUP-1	Chloroform	*8260B	0.63	ug/L
5010234-10	DUP-1	cis-1,2-Dichloroethylene	*8260B	48	ug/L
5010234-10	DUP-1	trans-1,2-Dichloroethylene	*8260B	1.9	ug/L

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

01/27/2015

Prism Work Order: 5010234

Prism ID	Client ID	Parameter	Method	Result	Units
5010234-10	DUP-1	Trichloroethylene	*8260B	31	ug/L

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: TMW-1
Prism Sample ID: 5010234-01
Prism Work Order: 5010234
Time Collected: 01/13/15 15:55
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**23**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 13:53**	**CDE**	**P5A0209**
Nitrate as N	**0.44**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 13:53**	**CDE**	**P5A0209**
Sulfate	**15**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 13:53**	**CDE**	**P5A0209**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 11:39	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 11:39	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 11:39	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 11:39	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 11:39	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 11:39	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 11:39	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 11:39	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 11:39	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 11:39	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 11:39	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 11:39	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 11:39	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 11:39	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 11:39	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 11:39	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 11:39	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 11:39	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 11:39	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 11:39	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

Laboratory Report

01/27/2015

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: TMW-1
Prism Sample ID: 5010234-01
Prism Work Order: 5010234
Time Collected: 01/13/15 15:55
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 11:39	VHL	P5A0219
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 11:39	VHL	P5A0219
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	*8260B	1/16/15 11:39	VHL	P5A0219
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 11:39	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 11:39	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 11:39	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 11:39	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 11:39	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 11:39	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 11:39	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 11:39	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 11:39	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 11:39	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 11:39	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 11:39	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 11:39	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 11:39	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 11:39	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 11:39	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 11:39	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 11:39	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 11:39	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 11:39	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 11:39	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 11:39	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 11:39	VHL	P5A0219
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	*8260B	1/16/15 11:39	VHL	P5A0219
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 11:39	VHL	P5A0219
Trichloroethylene	BRL	ug/L	0.50	0.078	1	*8260B	1/16/15 11:39	VHL	P5A0219
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 11:39	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 11:39	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 11:39	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*106 %*	*75-129*
Toluene-d8	*109 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: TMW-4
Prism Sample ID: 5010234-02
Prism Work Order: 5010234
Time Collected: 01/13/15 10:02
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**11**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 9:48**	**CDE**	**P5A0209**
Nitrate as N	**0.17**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 9:48**	**CDE**	**P5A0209**
Sulfate	BRL	mg/L	1.0	0.13	1	*9056A	1/15/15 9:48	CDE	P5A0209
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 12:05	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:05	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 12:05	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 12:05	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:05	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:05	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 12:05	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 12:05	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 12:05	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 12:05	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 12:05	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 12:05	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 12:05	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:05	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 12:05	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 12:05	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 12:05	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:05	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:05	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 12:05	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: TMW-4
Prism Sample ID: 5010234-02
Prism Work Order: 5010234
Time Collected: 01/13/15 10:02
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:05	VHL	P5A0219
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 12:05	VHL	P5A0219
cis-1,2-Dichloroethylene	**67**	**ug/L**	**0.50**	**0.056**	**1**	***8260B**	**1/16/15 12:05**	**VHL**	**P5A0219**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 12:05	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 12:05	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 12:05	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 12:05	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 12:05	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 12:05	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:05	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:05	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 12:05	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 12:05	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 12:05	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 12:05	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 12:05	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 12:05	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 12:05	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 12:05	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 12:05	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 12:05	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:05	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 12:05	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 12:05	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 12:05	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 12:05	VHL	P5A0219
trans-1,2-Dichloroethylene	**4.3**	**ug/L**	**0.50**	**0.094**	**1**	***8260B**	**1/16/15 12:05**	**VHL**	**P5A0219**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 12:05	VHL	P5A0219
Trichloroethylene	**15**	**ug/L**	**0.50**	**0.078**	**1**	***8260B**	**1/16/15 12:05**	**VHL**	**P5A0219**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:05	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 12:05	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 12:05	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*106 %*	*75-129*
Toluene-d8	*110 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: DMW-1
Prism Sample ID: 5010234-03
Prism Work Order: 5010234
Time Collected: 01/13/15 12:20
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**3.5**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 10:21**	**CDE**	**P5A0209**
Nitrate as N	**0.12**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 10:21**	**CDE**	**P5A0209**
Sulfate	**1.5**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 10:21**	**CDE**	**P5A0209**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 12:30	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:30	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 12:30	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 12:30	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:30	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:30	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 12:30	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 12:30	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 12:30	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 12:30	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 12:30	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 12:30	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 12:30	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:30	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 12:30	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 12:30	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 12:30	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:30	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:30	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 12:30	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: DMW-1
Prism Sample ID: 5010234-03
Prism Work Order: 5010234
Time Collected: 01/13/15 12:20
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:30	VHL	P5A0219
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 12:30	VHL	P5A0219
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	*8260B	1/16/15 12:30	VHL	P5A0219
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 12:30	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 12:30	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 12:30	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 12:30	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 12:30	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 12:30	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:30	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:30	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 12:30	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 12:30	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 12:30	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 12:30	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 12:30	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 12:30	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 12:30	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 12:30	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 12:30	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 12:30	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:30	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 12:30	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 12:30	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 12:30	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 12:30	VHL	P5A0219
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	*8260B	1/16/15 12:30	VHL	P5A0219
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 12:30	VHL	P5A0219
Trichloroethylene	BRL	ug/L	0.50	0.078	1	*8260B	1/16/15 12:30	VHL	P5A0219
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:30	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 12:30	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 12:30	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*109 %*	*75-129*
Toluene-d8	*110 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-7
Prism Sample ID: 5010234-04
Prism Work Order: 5010234
Time Collected: 01/13/15 10:00
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**5.3**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 9:32**	**CDE**	**P5A0209**
Nitrate as N	**0.31**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 9:32**	**CDE**	**P5A0209**
Sulfate	**2.9**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 9:32**	**CDE**	**P5A0209**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 12:56	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:56	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 12:56	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 12:56	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 12:56	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:56	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 12:56	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 12:56	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 12:56	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 12:56	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 12:56	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 12:56	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 12:56	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:56	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 12:56	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 12:56	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 12:56	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 12:56	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:56	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 12:56	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-7
Prism Sample ID: 5010234-04
Prism Work Order: 5010234
Time Collected: 01/13/15 10:00
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:56	VHL	P5A0219
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 12:56	VHL	P5A0219
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	*8260B	1/16/15 12:56	VHL	P5A0219
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 12:56	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 12:56	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 12:56	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 12:56	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 12:56	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 12:56	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 12:56	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 12:56	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 12:56	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 12:56	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 12:56	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 12:56	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 12:56	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 12:56	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 12:56	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 12:56	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 12:56	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 12:56	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 12:56	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 12:56	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 12:56	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 12:56	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 12:56	VHL	P5A0219
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	*8260B	1/16/15 12:56	VHL	P5A0219
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 12:56	VHL	P5A0219
Trichloroethylene	BRL	ug/L	0.50	0.078	1	*8260B	1/16/15 12:56	VHL	P5A0219
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 12:56	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 12:56	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 12:56	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*107 %*	*75-129*
Toluene-d8	*109 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-8
Prism Sample ID: 5010234-05
Prism Work Order: 5010234
Time Collected: 01/13/15 11:15
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**13**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 10:05**	**CDE**	**P5A0209**
Nitrate as N	**0.19**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 10:05**	**CDE**	**P5A0209**
Sulfate	**1.1**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 10:05**	**CDE**	**P5A0209**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 14:12	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 14:12	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 14:12	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 14:12	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 14:12	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 14:12	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 14:12	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 14:12	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 14:12	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 14:12	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 14:12	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 14:12	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 14:12	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 14:12	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 14:12	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 14:12	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 14:12	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 14:12	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 14:12	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 14:12	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-8
Prism Sample ID: 5010234-05
Prism Work Order: 5010234
Time Collected: 01/13/15 11:15
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 14:12	VHL	P5A0219
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 14:12	VHL	P5A0219
cis-1,2-Dichloroethylene	**130**	**ug/L**	**5.0**	**0.56**	**10**	***8260B**	**1/16/15 14:37**	**VHL**	**P5A0219**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 14:12	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 14:12	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 14:12	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 14:12	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 14:12	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 14:12	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 14:12	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 14:12	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 14:12	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 14:12	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 14:12	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 14:12	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 14:12	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 14:12	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 14:12	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 14:12	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 14:12	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 14:12	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 14:12	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 14:12	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 14:12	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 14:12	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 14:12	VHL	P5A0219
trans-1,2-Dichloroethylene	**10**	**ug/L**	**0.50**	**0.094**	**1**	***8260B**	**1/16/15 14:12**	**VHL**	**P5A0219**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 14:12	VHL	P5A0219
Trichloroethylene	**62**	**ug/L**	**0.50**	**0.078**	**1**	***8260B**	**1/16/15 14:12**	**VHL**	**P5A0219**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 14:12	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 14:12	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 14:12	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*103 %*	*75-129*
Toluene-d8	*109 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-13
Prism Sample ID: 5010234-06
Prism Work Order: 5010234
Time Collected: 01/13/15 12:35
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**16**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 11:59**	**CDE**	**P5A0209**
Nitrate as N	**0.44**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 11:59**	**CDE**	**P5A0209**
Sulfate	**7.7**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 11:59**	**CDE**	**P5A0209**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 15:03	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:03	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 15:03	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 15:03	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:03	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:03	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 15:03	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 15:03	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 15:03	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 15:03	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 15:03	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 15:03	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 15:03	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:03	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 15:03	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 15:03	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 15:03	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:03	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:03	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 15:03	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-13
Prism Sample ID: 5010234-06
Prism Work Order: 5010234
Time Collected: 01/13/15 12:35
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	**0.65**	**ug/L**	**0.50**	**0.076**	**1**	***8260B**	**1/16/15 15:03**	**VHL**	**P5A0219**
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 15:03	VHL	P5A0219
cis-1,2-Dichloroethylene	**45**	**ug/L**	**0.50**	**0.056**	**1**	***8260B**	**1/16/15 15:03**	**VHL**	**P5A0219**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 15:03	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 15:03	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 15:03	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 15:03	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 15:03	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 15:03	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:03	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:03	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 15:03	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 15:03	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 15:03	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 15:03	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 15:03	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 15:03	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 15:03	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 15:03	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 15:03	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 15:03	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:03	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 15:03	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 15:03	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 15:03	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 15:03	VHL	P5A0219
trans-1,2-Dichloroethylene	**1.7**	**ug/L**	**0.50**	**0.094**	**1**	***8260B**	**1/16/15 15:03**	**VHL**	**P5A0219**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 15:03	VHL	P5A0219
Trichloroethylene	**29**	**ug/L**	**0.50**	**0.078**	**1**	***8260B**	**1/16/15 15:03**	**VHL**	**P5A0219**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:03	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 15:03	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 15:03	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*101 %*	*80-124*
Dibromofluoromethane	*104 %*	*75-129*
Toluene-d8	*107 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-14
Prism Sample ID: 5010234-07
Prism Work Order: 5010234
Time Collected: 01/13/15 15:35
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**4.4**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 13:04**	**CDE**	**P5A0209**
Nitrate as N	**0.36**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 13:04**	**CDE**	**P5A0209**
Sulfate	**6.0**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 13:04**	**CDE**	**P5A0209**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 15:28	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:28	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 15:28	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 15:28	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:28	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:28	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 15:28	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 15:28	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 15:28	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 15:28	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 15:28	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 15:28	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 15:28	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:28	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 15:28	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 15:28	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 15:28	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:28	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:28	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 15:28	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-14
Prism Sample ID: 5010234-07
Prism Work Order: 5010234
Time Collected: 01/13/15 15:35
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:28	VHL	P5A0219
Chloromethane	**0.94**	**ug/L**	**0.50**	**0.079**	**1**	***8260B**	**1/16/15 15:28**	**VHL**	**P5A0219**
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	*8260B	1/16/15 15:28	VHL	P5A0219
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 15:28	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 15:28	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 15:28	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 15:28	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 15:28	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 15:28	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:28	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:28	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 15:28	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 15:28	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 15:28	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 15:28	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 15:28	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 15:28	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 15:28	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 15:28	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 15:28	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 15:28	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:28	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 15:28	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 15:28	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 15:28	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 15:28	VHL	P5A0219
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	*8260B	1/16/15 15:28	VHL	P5A0219
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 15:28	VHL	P5A0219
Trichloroethylene	BRL	ug/L	0.50	0.078	1	*8260B	1/16/15 15:28	VHL	P5A0219
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:28	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 15:28	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 15:28	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*94 %*	*75-129*
Toluene-d8	*112 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-16
Prism Sample ID: 5010234-08
Prism Work Order: 5010234
Time Collected: 01/13/15 13:50
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**7.7**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 12:32**	**CDE**	**P5A0209**
Nitrate as N	**0.10**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 12:32**	**CDE**	**P5A0209**
Sulfate	BRL	mg/L	1.0	0.13	1	*9056A	1/15/15 12:32	CDE	P5A0209
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 13:21	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 13:21	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 13:21	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 13:21	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 13:21	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 13:21	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 13:21	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 13:21	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 13:21	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 13:21	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 13:21	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 13:21	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 13:21	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 13:21	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 13:21	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 13:21	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 13:21	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 13:21	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 13:21	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 13:21	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-16
Prism Sample ID: 5010234-08
Prism Work Order: 5010234
Time Collected: 01/13/15 13:50
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 13:21	VHL	P5A0219
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 13:21	VHL	P5A0219
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	*8260B	1/16/15 13:21	VHL	P5A0219
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 13:21	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 13:21	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 13:21	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 13:21	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 13:21	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 13:21	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 13:21	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 13:21	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 13:21	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 13:21	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 13:21	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 13:21	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 13:21	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 13:21	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 13:21	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 13:21	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 13:21	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 13:21	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 13:21	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 13:21	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 13:21	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 13:21	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 13:21	VHL	P5A0219
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	*8260B	1/16/15 13:21	VHL	P5A0219
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 13:21	VHL	P5A0219
Trichloroethylene	BRL	ug/L	0.50	0.078	1	*8260B	1/16/15 13:21	VHL	P5A0219
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 13:21	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 13:21	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 13:21	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*108 %*	*75-129*
Toluene-d8	*111 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-17
Prism Sample ID: 5010234-09
Prism Work Order: 5010234
Time Collected: 01/13/15 14:00
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**9.5**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 12:48**	**CDE**	**P5A0209**
Nitrate as N	**0.74**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 12:48**	**CDE**	**P5A0209**
Sulfate	**9.1**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 12:48**	**CDE**	**P5A0209**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 15:54	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:54	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 15:54	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 15:54	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 15:54	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:54	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 15:54	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 15:54	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 15:54	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 15:54	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 15:54	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 15:54	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 15:54	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:54	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 15:54	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 15:54	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 15:54	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 15:54	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:54	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 15:54	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: MW-17
Prism Sample ID: 5010234-09
Prism Work Order: 5010234
Time Collected: 01/13/15 14:00
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:54	VHL	P5A0219
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 15:54	VHL	P5A0219
cis-1,2-Dichloroethylene	**4.8**	**ug/L**	**0.50**	**0.056**	**1**	***8260B**	**1/16/15 15:54**	**VHL**	**P5A0219**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 15:54	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 15:54	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 15:54	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 15:54	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 15:54	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 15:54	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 15:54	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 15:54	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 15:54	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 15:54	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 15:54	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 15:54	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 15:54	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 15:54	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 15:54	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 15:54	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 15:54	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 15:54	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 15:54	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 15:54	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 15:54	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 15:54	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 15:54	VHL	P5A0219
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	*8260B	1/16/15 15:54	VHL	P5A0219
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 15:54	VHL	P5A0219
Trichloroethylene	**2.1**	**ug/L**	**0.50**	**0.078**	**1**	***8260B**	**1/16/15 15:54**	**VHL**	**P5A0219**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 15:54	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 15:54	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 15:54	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*80-124*
Dibromofluoromethane	*108 %*	*75-129*
Toluene-d8	*111 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: DUP-1
Prism Sample ID: 5010234-10
Prism Work Order: 5010234
Time Collected: 01/13/15 12:45
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Anions by Ion Chromatography									
Chloride	**16**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 12:15**	**CDE**	**P5A0209**
Nitrate as N	**0.43**	**mg/L**	**0.10**	**0.014**	**1**	***9056A**	**1/15/15 12:15**	**CDE**	**P5A0209**
Sulfate	**7.8**	**mg/L**	**1.0**	**0.13**	**1**	***9056A**	**1/15/15 12:15**	**CDE**	**P5A0209**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 13:46	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 13:46	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 13:46	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 13:46	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 13:46	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 13:46	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 13:46	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 13:46	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 13:46	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 13:46	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 13:46	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 13:46	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 13:46	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 13:46	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 13:46	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 13:46	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 13:46	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 13:46	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 13:46	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 13:46	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: DUP-1
Prism Sample ID: 5010234-10
Prism Work Order: 5010234
Time Collected: 01/13/15 12:45
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloroform	**0.63**	**ug/L**	**0.50**	**0.076**	**1**	***8260B**	**1/16/15 13:46**	**VHL**	**P5A0219**
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 13:46	VHL	P5A0219
cis-1,2-Dichloroethylene	**48**	**ug/L**	**0.50**	**0.056**	**1**	***8260B**	**1/16/15 13:46**	**VHL**	**P5A0219**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 13:46	VHL	P5A0219
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 13:46	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 13:46	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 13:46	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 13:46	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 13:46	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 13:46	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 13:46	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 13:46	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 13:46	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 13:46	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 13:46	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 13:46	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 13:46	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 13:46	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 13:46	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 13:46	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 13:46	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 13:46	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 13:46	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 13:46	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 13:46	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 13:46	VHL	P5A0219
trans-1,2-Dichloroethylene	**1.9**	**ug/L**	**0.50**	**0.094**	**1**	***8260B**	**1/16/15 13:46**	**VHL**	**P5A0219**
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 13:46	VHL	P5A0219
Trichloroethylene	**31**	**ug/L**	**0.50**	**0.078**	**1**	***8260B**	**1/16/15 13:46**	**VHL**	**P5A0219**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 13:46	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 13:46	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 13:46	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*80-124*
Dibromofluoromethane	*106 %*	*75-129*
Toluene-d8	*111 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 5010234-11
Prism Work Order: 5010234
Time Collected: 01/13/15 00:00
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	*8260B	1/16/15 16:19	VHL	P5A0219
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 16:19	VHL	P5A0219
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	*8260B	1/16/15 16:19	VHL	P5A0219
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	*8260B	1/16/15 16:19	VHL	P5A0219
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	*8260B	1/16/15 16:19	VHL	P5A0219
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 16:19	VHL	P5A0219
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	*8260B	1/16/15 16:19	VHL	P5A0219
Acetone	BRL	ug/L	5.0	0.31	1	*8260B	1/16/15 16:19	VHL	P5A0219
Acrolein	BRL	ug/L	20	0.20	1	*8260B	1/16/15 16:19	VHL	P5A0219
Acrylonitrile	BRL	ug/L	20	0.20	1	*8260B	1/16/15 16:19	VHL	P5A0219
Benzene	BRL	ug/L	0.50	0.048	1	*8260B	1/16/15 16:19	VHL	P5A0219
Bromobenzene	BRL	ug/L	0.50	0.057	1	*8260B	1/16/15 16:19	VHL	P5A0219
Bromochloromethane	BRL	ug/L	0.50	0.14	1	*8260B	1/16/15 16:19	VHL	P5A0219
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 16:19	VHL	P5A0219
Bromoform	BRL	ug/L	1.0	0.040	1	*8260B	1/16/15 16:19	VHL	P5A0219
Bromomethane	BRL	ug/L	1.0	0.18	1	*8260B	1/16/15 16:19	VHL	P5A0219
Carbon disulfide	BRL	ug/L	5.0	0.075	1	*8260B	1/16/15 16:19	VHL	P5A0219
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	*8260B	1/16/15 16:19	VHL	P5A0219
Chlorobenzene	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 16:19	VHL	P5A0219
Chloroethane	BRL	ug/L	0.50	0.22	1	*8260B	1/16/15 16:19	VHL	P5A0219
Chloroform	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 16:19	VHL	P5A0219
Chloromethane	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 16:19	VHL	P5A0219
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	*8260B	1/16/15 16:19	VHL	P5A0219
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	*8260B	1/16/15 16:19	VHL	P5A0219

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Sample Matrix: Water

Client Sample ID: Trip Blank
Prism Sample ID: 5010234-11
Prism Work Order: 5010234
Time Collected: 01/13/15 00:00
Time Submitted: 01/15/15 09:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	*8260B	1/16/15 16:19	VHL	P5A0219
Dibromomethane	BRL	ug/L	0.50	0.065	1	*8260B	1/16/15 16:19	VHL	P5A0219
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	*8260B	1/16/15 16:19	VHL	P5A0219
Ethylbenzene	BRL	ug/L	0.50	0.061	1	*8260B	1/16/15 16:19	VHL	P5A0219
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	*8260B	1/16/15 16:19	VHL	P5A0219
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	*8260B	1/16/15 16:19	VHL	P5A0219
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	*8260B	1/16/15 16:19	VHL	P5A0219
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	*8260B	1/16/15 16:19	VHL	P5A0219
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	*8260B	1/16/15 16:19	VHL	P5A0219
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	*8260B	1/16/15 16:19	VHL	P5A0219
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	*8260B	1/16/15 16:19	VHL	P5A0219
Methylene Chloride	BRL	ug/L	1.0	0.083	1	*8260B	1/16/15 16:19	VHL	P5A0219
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	*8260B	1/16/15 16:19	VHL	P5A0219
Naphthalene	BRL	ug/L	1.0	0.19	1	*8260B	1/16/15 16:19	VHL	P5A0219
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	*8260B	1/16/15 16:19	VHL	P5A0219
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	*8260B	1/16/15 16:19	VHL	P5A0219
o-Xylene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 16:19	VHL	P5A0219
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	*8260B	1/16/15 16:19	VHL	P5A0219
Styrene	BRL	ug/L	0.50	0.047	1	*8260B	1/16/15 16:19	VHL	P5A0219
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	*8260B	1/16/15 16:19	VHL	P5A0219
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	*8260B	1/16/15 16:19	VHL	P5A0219
Toluene	BRL	ug/L	0.50	0.044	1	*8260B	1/16/15 16:19	VHL	P5A0219
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	*8260B	1/16/15 16:19	VHL	P5A0219
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	*8260B	1/16/15 16:19	VHL	P5A0219
Trichloroethylene	BRL	ug/L	0.50	0.078	1	*8260B	1/16/15 16:19	VHL	P5A0219
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	*8260B	1/16/15 16:19	VHL	P5A0219
Vinyl acetate	BRL	ug/L	2.0	0.060	1	*8260B	1/16/15 16:19	VHL	P5A0219
Vinyl chloride	BRL	ug/L	0.50	0.097	1	*8260B	1/16/15 16:19	VHL	P5A0219

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*102 %*	*80-124*
Dibromofluoromethane	*107 %*	*75-129*
Toluene-d8	*112 %*	*77-123*

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
Blank (P5A0219-BLK1)				Prepared & Analyzed: 01/16/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	5.0	ug/L							
2-Chlorotoluene	BRL	0.50	ug/L							
4-Chlorotoluene	BRL	0.50	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	5.0	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	0.50	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	0.50	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	0.50	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							
Ethylbenzene	BRL	0.50	ug/L							

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
Blank (P5A0219-BLK1)				Prepared & Analyzed: 01/16/15						
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
m,p-Xylenes	BRL	1.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	1.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
o-Xylene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Toluene	BRL	0.50	ug/L							
trans-1,2-Dichloroethylene	BRL	0.50	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	0.50	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*51.9*		*ug/L*	*50.00*		*104*	*80-124*			
Surrogate: Dibromofluoromethane	*53.7*		*ug/L*	*50.00*		*107*	*75-129*			
Surrogate: Toluene-d8	*54.1*		*ug/L*	*50.00*		*108*	*77-123*			

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
LCS (P5A0219-BS1)				Prepared & Analyzed: 01/16/15						
1,1,1,2-Tetrachloroethane	20.3	0.50	ug/L	20.00		102	79-134			
1,1,1-Trichloroethane	19.6	0.50	ug/L	20.00		98	75-136			
1,1,2,2-Tetrachloroethane	19.9	0.50	ug/L	20.00		100	62-127			
1,1,2-Trichloroethane	20.2	0.50	ug/L	20.00		101	70-140			
1,1-Dichloroethane	19.7	0.50	ug/L	20.00		99	78-130			
1,1-Dichloroethylene	18.7	0.50	ug/L	20.00		93	70-154			
1,1-Dichloropropylene	18.7	0.50	ug/L	20.00		93	71-136			
1,2,3-Trichlorobenzene	18.6	2.0	ug/L	20.00		93	58-144			
1,2,3-Trichloropropane	19.9	1.0	ug/L	20.00		99	71-127			
1,2,4-Trichlorobenzene	19.7	1.0	ug/L	20.00		98	66-139			
1,2,4-Trimethylbenzene	22.7	0.50	ug/L	20.00		113	75-133			
1,2-Dibromo-3-chloropropane	20.0	2.0	ug/L	20.00		100	63-134			
1,2-Dibromoethane	19.3	0.50	ug/L	20.00		97	77-135			
1,2-Dichlorobenzene	21.3	0.50	ug/L	20.00		106	78-128			
1,2-Dichloroethane	20.5	0.50	ug/L	20.00		103	68-131			
1,2-Dichloropropane	18.3	0.50	ug/L	20.00		91	77-130			
1,3,5-Trimethylbenzene	22.5	0.50	ug/L	20.00		113	75-131			
1,3-Dichlorobenzene	21.4	0.50	ug/L	20.00		107	77-125			
1,3-Dichloropropane	19.2	0.50	ug/L	20.00		96	76-132			
1,4-Dichlorobenzene	21.7	0.50	ug/L	20.00		108	75-126			
2,2-Dichloropropane	21.7	2.0	ug/L	20.00		109	29-149			
2-Chloroethyl Vinyl Ether	20.3	5.0	ug/L	20.00		101	34-144			
2-Chlorotoluene	21.6	0.50	ug/L	20.00		108	74-126			
4-Chlorotoluene	22.2	0.50	ug/L	20.00		111	78-129			
4-Isopropyltoluene	22.5	0.50	ug/L	20.00		113	69-132			
Acetone	36.7	5.0	ug/L	40.00		92	40-166			
Acrolein	41.6	20	ug/L	40.00		104	70-130			
Acrylonitrile	40.8	20	ug/L	40.00		102	81-127			
Benzene	20.9	0.50	ug/L	20.00		105	77-128			
Bromobenzene	21.0	0.50	ug/L	20.00		105	78-129			
Bromochloromethane	20.1	0.50	ug/L	20.00		101	78-135			
Bromodichloromethane	20.4	0.50	ug/L	20.00		102	76-138			
Bromoform	19.9	1.0	ug/L	20.00		99	71-135			
Bromomethane	19.6	1.0	ug/L	20.00		98	41-168			
Carbon disulfide	22.0	5.0	ug/L	20.00		110	59-135			
Carbon Tetrachloride	19.9	0.50	ug/L	20.00		100	72-142			
Chlorobenzene	20.9	0.50	ug/L	20.00		104	78-119			
Chloroethane	19.3	0.50	ug/L	20.00		96	57-142			
Chloroform	20.4	0.50	ug/L	20.00		102	77-130			
Chloromethane	22.0	0.50	ug/L	20.00		110	47-145			
cis-1,2-Dichloroethylene	20.0	0.50	ug/L	20.00		100	76-141			
cis-1,3-Dichloropropylene	19.2	0.50	ug/L	20.00		96	65-140			
Dibromochloromethane	20.4	0.50	ug/L	20.00		102	75-134			
Dibromomethane	20.7	0.50	ug/L	20.00		103	76-138			
Dichlorodifluoromethane	23.9	1.0	ug/L	20.00		120	28-163			
Ethylbenzene	21.4	0.50	ug/L	20.00		107	80-127			

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
LCS (P5A0219-BS1)				Prepared & Analyzed: 01/16/15						
Hexachlorobutadiene	21.5	2.0	ug/L	20.00		108	61-134			
Isopropyl Ether	17.7	0.50	ug/L	20.00		88	60-154			
Isopropylbenzene (Cumene)	22.6	0.50	ug/L	20.00		113	70-130			
m,p-Xylenes	43.4	1.0	ug/L	40.00		109	77-133			
Methyl Butyl Ketone (2-Hexanone)	19.6	5.0	ug/L	20.00		98	64-137			
Methyl Ethyl Ketone (2-Butanone)	18.8	5.0	ug/L	20.00		94	71-134			
Methyl Isobutyl Ketone	19.3	5.0	ug/L	20.00		96	69-134			
Methylene Chloride	17.9	1.0	ug/L	20.00		89	73-131			
Methyl-tert-Butyl Ether	20.8	0.50	ug/L	20.00		104	68-135			
Naphthalene	17.5	1.0	ug/L	20.00		88	64-136			
n-Butylbenzene	23.2	1.0	ug/L	20.00		116	68-134			
n-Propylbenzene	22.8	0.50	ug/L	20.00		114	72-132			
o-Xylene	20.2	0.50	ug/L	20.00		101	78-128			
sec-Butylbenzene	22.7	0.50	ug/L	20.00		114	71-131			
Styrene	21.1	0.50	ug/L	20.00		105	78-129			
tert-Butylbenzene	22.2	0.50	ug/L	20.00		111	70-132			
Tetrachloroethylene	21.7	0.50	ug/L	20.00		108	80-129			
Toluene	21.2	0.50	ug/L	20.00		106	76-131			
trans-1,2-Dichloroethylene	20.3	0.50	ug/L	20.00		101	76-135			
trans-1,3-Dichloropropylene	20.2	0.50	ug/L	20.00		101	67-140			
Trichloroethylene	21.1	0.50	ug/L	20.00		105	77-133			
Trichlorofluoromethane	23.2	0.50	ug/L	20.00		116	62-148			
Vinyl acetate	20.9	2.0	ug/L	20.00		105	34-167			
Vinyl chloride	20.4	0.50	ug/L	20.00		102	57-141			
Surrogate: 4-Bromofluorobenzene	*52.3*		*ug/L*	*50.00*		*105*	*80-124*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50.00*		*102*	*75-129*			
Surrogate: Toluene-d8	*52.2*		*ug/L*	*50.00*		*104*	*77-123*			

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
LCS Dup (P5A0219-BSD1)				Prepared & Analyzed: 01/16/15						
1,1,1,2-Tetrachloroethane	20.7	0.50	ug/L	20.00		103	79-134	2	20	
1,1,1-Trichloroethane	20.3	0.50	ug/L	20.00		102	75-136	3	20	
1,1,2,2-Tetrachloroethane	19.9	0.50	ug/L	20.00		100	62-127	0.2	20	
1,1,2-Trichloroethane	20.2	0.50	ug/L	20.00		101	70-140	0.2	20	
1,1-Dichloroethane	20.4	0.50	ug/L	20.00		102	78-130	3	20	
1,1-Dichloroethylene	19.7	0.50	ug/L	20.00		99	70-154	5	20	
1,1-Dichloropropylene	19.4	0.50	ug/L	20.00		97	71-136	4	20	
1,2,3-Trichlorobenzene	20.6	2.0	ug/L	20.00		103	58-144	10	20	
1,2,3-Trichloropropane	19.8	1.0	ug/L	20.00		99	71-127	0.2	20	
1,2,4-Trichlorobenzene	21.6	1.0	ug/L	20.00		108	66-139	9	20	
1,2,4-Trimethylbenzene	22.8	0.50	ug/L	20.00		114	75-133	0.7	20	
1,2-Dibromo-3-chloropropane	21.1	2.0	ug/L	20.00		105	63-134	5	20	
1,2-Dibromoethane	20.0	0.50	ug/L	20.00		100	77-135	4	20	
1,2-Dichlorobenzene	21.3	0.50	ug/L	20.00		107	78-128	0.09	20	
1,2-Dichloroethane	20.7	0.50	ug/L	20.00		104	68-131	0.8	20	
1,2-Dichloropropane	18.8	0.50	ug/L	20.00		94	77-130	3	20	
1,3,5-Trimethylbenzene	22.5	0.50	ug/L	20.00		113	75-131	0.09	20	
1,3-Dichlorobenzene	21.6	0.50	ug/L	20.00		108	77-125	0.7	20	
1,3-Dichloropropane	20.0	0.50	ug/L	20.00		100	76-132	4	20	
1,4-Dichlorobenzene	21.8	0.50	ug/L	20.00		109	75-126	0.7	20	
2,2-Dichloropropane	21.5	2.0	ug/L	20.00		108	29-149	1	20	
2-Chloroethyl Vinyl Ether	21.4	5.0	ug/L	20.00		107	34-144	5	20	
2-Chlorotoluene	21.7	0.50	ug/L	20.00		109	74-126	0.6	20	
4-Chlorotoluene	21.9	0.50	ug/L	20.00		110	78-129	1	20	
4-Isopropyltoluene	22.8	0.50	ug/L	20.00		114	69-132	1	20	
Acetone	39.0	5.0	ug/L	40.00		97	40-166	6	20	
Acrolein	41.9	20	ug/L	40.00		105	70-130	0.6	20	
Acrylonitrile	42.4	20	ug/L	40.00		106	81-127	4	20	
Benzene	21.7	0.50	ug/L	20.00		109	77-128	4	20	
Bromobenzene	20.6	0.50	ug/L	20.00		103	78-129	2	20	
Bromochloromethane	20.2	0.50	ug/L	20.00		101	78-135	0.1	20	
Bromodichloromethane	20.6	0.50	ug/L	20.00		103	76-138	0.9	20	
Bromoform	20.5	1.0	ug/L	20.00		103	71-135	3	20	
Bromomethane	20.6	1.0	ug/L	20.00		103	41-168	5	20	
Carbon disulfide	22.9	5.0	ug/L	20.00		114	59-135	4	20	
Carbon Tetrachloride	20.2	0.50	ug/L	20.00		101	72-142	1	20	
Chlorobenzene	21.8	0.50	ug/L	20.00		109	78-119	4	20	
Chloroethane	19.3	0.50	ug/L	20.00		97	57-142	0.3	20	
Chloroform	20.9	0.50	ug/L	20.00		104	77-130	2	20	
Chloromethane	22.6	0.50	ug/L	20.00		113	47-145	3	20	
cis-1,2-Dichloroethylene	20.5	0.50	ug/L	20.00		103	76-141	3	20	
cis-1,3-Dichloropropylene	19.6	0.50	ug/L	20.00		98	65-140	2	20	
Dibromochloromethane	21.1	0.50	ug/L	20.00		106	75-134	4	20	
Dibromomethane	21.0	0.50	ug/L	20.00		105	76-138	1	20	
Dichlorodifluoromethane	24.6	1.0	ug/L	20.00		123	28-163	3	20	
Ethylbenzene	22.2	0.50	ug/L	20.00		111	80-127	4	20	

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
LCS Dup (P5A0219-BSD1)				Prepared & Analyzed: 01/16/15						
Hexachlorobutadiene	22.5	2.0	ug/L	20.00		112	61-134	5	20	
Isopropyl Ether	18.1	0.50	ug/L	20.00		90	60-154	2	20	
Isopropylbenzene (Cumene)	22.3	0.50	ug/L	20.00		112	70-130	1	20	
m,p-Xylenes	45.0	1.0	ug/L	40.00		113	77-133	4	20	
Methyl Butyl Ketone (2-Hexanone)	20.4	5.0	ug/L	20.00		102	64-137	4	20	
Methyl Ethyl Ketone (2-Butanone)	19.1	5.0	ug/L	20.00		95	71-134	1	20	
Methyl Isobutyl Ketone	19.2	5.0	ug/L	20.00		96	69-134	0.4	20	
Methylene Chloride	18.5	1.0	ug/L	20.00		92	73-131	3	20	
Methyl-tert-Butyl Ether	21.0	0.50	ug/L	20.00		105	68-135	1	20	
Naphthalene	19.4	1.0	ug/L	20.00		97	64-136	10	20	
n-Butylbenzene	23.6	1.0	ug/L	20.00		118	68-134	2	20	
n-Propylbenzene	22.7	0.50	ug/L	20.00		114	72-132	0.3	20	
o-Xylene	21.0	0.50	ug/L	20.00		105	78-128	4	20	
sec-Butylbenzene	22.9	0.50	ug/L	20.00		114	71-131	0.6	20	
Styrene	21.7	0.50	ug/L	20.00		108	78-129	3	20	
tert-Butylbenzene	22.0	0.50	ug/L	20.00		110	70-132	0.7	20	
Tetrachloroethylene	22.8	0.50	ug/L	20.00		114	80-129	5	20	
Toluene	21.7	0.50	ug/L	20.00		108	76-131	2	20	
trans-1,2-Dichloroethylene	20.9	0.50	ug/L	20.00		105	76-135	3	20	
trans-1,3-Dichloropropylene	20.5	0.50	ug/L	20.00		103	67-140	2	20	
Trichloroethylene	22.2	0.50	ug/L	20.00		111	77-133	5	20	
Trichlorofluoromethane	23.8	0.50	ug/L	20.00		119	62-148	3	20	
Vinyl acetate	21.4	2.0	ug/L	20.00		107	34-167	2	20	
Vinyl chloride	21.2	0.50	ug/L	20.00		106	57-141	4	20	
Surrogate: 4-Bromofluorobenzene	*50.0*		*ug/L*	*50.00*		*100*	*80-124*			
Surrogate: Dibromofluoromethane	*51.1*		*ug/L*	*50.00*		*102*	*75-129*			
Surrogate: Toluene-d8	*53.6*		*ug/L*	*50.00*		*107*	*77-123*			

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
Matrix Spike (P5A0219-MS1)		**Source: 5010234-01**		Prepared & Analyzed: 01/16/15						
1,1,1,2-Tetrachloroethane	208	5.0	ug/L	200.0	BRL	104	78-134			
1,1,1-Trichloroethane	216	5.0	ug/L	200.0	BRL	108	67-145			
1,1,2,2-Tetrachloroethane	168	5.0	ug/L	200.0	BRL	84	68-123			
1,1,2-Trichloroethane	196	5.0	ug/L	200.0	BRL	98	75-134			
1,1-Dichloroethane	197	5.0	ug/L	200.0	BRL	98	75-134			
1,1-Dichloroethylene	198	5.0	ug/L	200.0	BRL	99	65-162			
1,1-Dichloropropylene	194	5.0	ug/L	200.0	BRL	97	68-140			
1,2,3-Trichlorobenzene	212	20	ug/L	200.0	BRL	106	56-146			
1,2,3-Trichloropropane	182	10	ug/L	200.0	BRL	91	73-122			
1,2,4-Trichlorobenzene	217	10	ug/L	200.0	BRL	109	67-135			
1,2,4-Trimethylbenzene	221	5.0	ug/L	200.0	BRL	111	75-131			
1,2-Dibromo-3-chloropropane	175	20	ug/L	200.0	BRL	87	64-133			
1,2-Dibromoethane	181	5.0	ug/L	200.0	BRL	91	80-129			
1,2-Dichlorobenzene	213	5.0	ug/L	200.0	BRL	106	80-125			
1,2-Dichloroethane	220	5.0	ug/L	200.0	BRL	110	69-129			
1,2-Dichloropropane	182	5.0	ug/L	200.0	BRL	91	75-131			
1,3,5-Trimethylbenzene	221	5.0	ug/L	200.0	BRL	111	75-131			
1,3-Dichlorobenzene	210	5.0	ug/L	200.0	BRL	105	79-122			
1,3-Dichloropropane	187	5.0	ug/L	200.0	BRL	93	80-125			
1,4-Dichlorobenzene	214	5.0	ug/L	200.0	BRL	107	76-124			
2,2-Dichloropropane	212	20	ug/L	200.0	BRL	106	21-140			
2-Chloroethyl Vinyl Ether	195	50	ug/L	200.0	BRL	97	15-181			
2-Chlorotoluene	211	5.0	ug/L	200.0	BRL	105	75-125			
4-Chlorotoluene	212	5.0	ug/L	200.0	BRL	106	76-130			
4-Isopropyltoluene	224	5.0	ug/L	200.0	BRL	112	72-129			
Acetone	314	50	ug/L	400.0	BRL	78	40-162			
Acrolein	342	200	ug/L	400.0	BRL	86	70-130			
Acrylonitrile	378	200	ug/L	400.0	BRL	95	78-129			
Benzene	215	5.0	ug/L	200.0	BRL	107	73-131			
Bromobenzene	201	5.0	ug/L	200.0	BRL	101	80-125			
Bromochloromethane	207	5.0	ug/L	200.0	BRL	104	78-135			
Bromodichloromethane	213	5.0	ug/L	200.0	BRL	107	74-138			
Bromoform	193	10	ug/L	200.0	BRL	96	72-130			
Bromomethane	230	10	ug/L	200.0	BRL	115	41-173			
Carbon disulfide	210	50	ug/L	200.0	BRL	105	59-138			
Carbon Tetrachloride	218	5.0	ug/L	200.0	BRL	109	66-149			
Chlorobenzene	216	5.0	ug/L	200.0	BRL	108	76-119			
Chloroethane	231	5.0	ug/L	200.0	BRL	116	52-153			
Chloroform	213	5.0	ug/L	200.0	BRL	106	74-136			
Chloromethane	225	5.0	ug/L	200.0	BRL	113	39-155			
cis-1,2-Dichloroethylene	202	5.0	ug/L	200.0	BRL	101	74-144			
cis-1,3-Dichloropropylene	188	5.0	ug/L	200.0	BRL	94	64-132			
Dibromochloromethane	207	5.0	ug/L	200.0	BRL	103	77-131			
Dibromomethane	208	5.0	ug/L	200.0	BRL	104	76-136			
Dichlorodifluoromethane	270	10	ug/L	200.0	BRL	135	22-170			
Ethylbenzene	221	5.0	ug/L	200.0	BRL	110	78-130			

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
Matrix Spike (P5A0219-MS1)		**Source: 5010234-01**		Prepared & Analyzed: 01/16/15						
Hexachlorobutadiene	219	20	ug/L	200.0	BRL	109	63-132			
Isopropyl Ether	167	5.0	ug/L	200.0	BRL	84	62-154			
Isopropylbenzene (Cumene)	218	5.0	ug/L	200.0	BRL	109	72-127			
m,p-Xylenes	454	10	ug/L	400.0	BRL	113	66-144			
Methyl Butyl Ketone (2-Hexanone)	166	50	ug/L	200.0	BRL	83	65-130			
Methyl Ethyl Ketone (2-Butanone)	166	50	ug/L	200.0	BRL	83	65-137			
Methyl Isobutyl Ketone	170	50	ug/L	200.0	BRL	85	64-137			
Methylene Chloride	172	10	ug/L	200.0	BRL	86	71-134			
Methyl-tert-Butyl Ether	206	5.0	ug/L	200.0	BRL	103	71-133			
Naphthalene	187	10	ug/L	200.0	BRL	93	63-134			
n-Butylbenzene	229	10	ug/L	200.0	BRL	115	69-132			
n-Propylbenzene	221	5.0	ug/L	200.0	BRL	110	75-130			
o-Xylene	212	5.0	ug/L	200.0	BRL	106	75-131			
sec-Butylbenzene	222	5.0	ug/L	200.0	BRL	111	72-130			
Styrene	216	5.0	ug/L	200.0	BRL	108	77-128			
tert-Butylbenzene	216	5.0	ug/L	200.0	BRL	108	72-130			
Tetrachloroethylene	225	5.0	ug/L	200.0	BRL	112	76-130			
Toluene	219	5.0	ug/L	200.0	BRL	110	72-135			
trans-1,2-Dichloroethylene	198	5.0	ug/L	200.0	BRL	99	73-141			
trans-1,3-Dichloropropylene	206	5.0	ug/L	200.0	BRL	103	64-137			
Trichloroethylene	223	5.0	ug/L	200.0	BRL	111	72-133			
Trichlorofluoromethane	277	5.0	ug/L	200.0	BRL	139	61-152			
Vinyl acetate	209	20	ug/L	200.0	BRL	104	80-154			
Vinyl chloride	217	5.0	ug/L	200.0	BRL	108	54-146			
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50.00*		*96*	*80-124*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.00*		*104*	*77-123*			

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
Matrix Spike Dup (P5A0219-MSD1)		**Source: 5010234-01**		Prepared & Analyzed: 01/16/15						
1,1,1,2-Tetrachloroethane	206	5.0	ug/L	200.0	BRL	103	78-134	1	19	
1,1,1-Trichloroethane	206	5.0	ug/L	200.0	BRL	103	67-145	5	18	
1,1,2,2-Tetrachloroethane	176	5.0	ug/L	200.0	BRL	88	68-123	5	19	
1,1,2-Trichloroethane	194	5.0	ug/L	200.0	BRL	97	75-134	0.8	18	
1,1-Dichloroethane	193	5.0	ug/L	200.0	BRL	96	75-134	2	18	
1,1-Dichloroethylene	187	5.0	ug/L	200.0	BRL	94	65-162	6	20	
1,1-Dichloropropylene	182	5.0	ug/L	200.0	BRL	91	68-140	6	19	
1,2,3-Trichlorobenzene	242	20	ug/L	200.0	BRL	121	56-146	13	31	
1,2,3-Trichloropropane	187	10	ug/L	200.0	BRL	94	73-122	3	18	
1,2,4-Trichlorobenzene	229	10	ug/L	200.0	BRL	114	67-135	5	20	
1,2,4-Trimethylbenzene	214	5.0	ug/L	200.0	BRL	107	75-131	3	18	
1,2-Dibromo-3-chloropropane	187	20	ug/L	200.0	BRL	93	64-133	7	25	
1,2-Dibromoethane	190	5.0	ug/L	200.0	BRL	95	80-129	5	19	
1,2-Dichlorobenzene	208	5.0	ug/L	200.0	BRL	104	80-125	2	16	
1,2-Dichloroethane	210	5.0	ug/L	200.0	BRL	105	69-129	5	17	
1,2-Dichloropropane	178	5.0	ug/L	200.0	BRL	89	75-131	2	17	
1,3,5-Trimethylbenzene	211	5.0	ug/L	200.0	BRL	105	75-131	5	19	
1,3-Dichlorobenzene	206	5.0	ug/L	200.0	BRL	103	79-122	2	17	
1,3-Dichloropropane	187	5.0	ug/L	200.0	BRL	94	80-125	0.2	18	
1,4-Dichlorobenzene	210	5.0	ug/L	200.0	BRL	105	76-124	2	17	
2,2-Dichloropropane	188	20	ug/L	200.0	BRL	94	21-140	12	19	
2-Chloroethyl Vinyl Ether	192	50	ug/L	200.0	BRL	96	15-181	2	44	
2-Chlorotoluene	203	5.0	ug/L	200.0	BRL	102	75-125	4	24	
4-Chlorotoluene	202	5.0	ug/L	200.0	BRL	101	76-130	5	16	
4-Isopropyltoluene	216	5.0	ug/L	200.0	BRL	108	72-129	4	19	
Acetone	361	50	ug/L	400.0	BRL	90	40-162	14	23	
Acrolein	335	200	ug/L	400.0	BRL	84	70-130	2	20	
Acrylonitrile	355	200	ug/L	400.0	BRL	89	78-129	6	20	
Benzene	206	5.0	ug/L	200.0	BRL	103	73-131	4	17	
Bromobenzene	194	5.0	ug/L	200.0	BRL	97	80-125	3	18	
Bromochloromethane	197	5.0	ug/L	200.0	BRL	98	78-135	5	17	
Bromodichloromethane	204	5.0	ug/L	200.0	BRL	102	74-138	5	19	
Bromoform	200	10	ug/L	200.0	BRL	100	72-130	4	22	
Bromomethane	222	10	ug/L	200.0	BRL	111	41-173	3	33	
Carbon disulfide	206	50	ug/L	200.0	BRL	103	59-138	2	27	
Carbon Tetrachloride	204	5.0	ug/L	200.0	BRL	102	66-149	7	23	
Chlorobenzene	208	5.0	ug/L	200.0	BRL	104	76-119	4	20	
Chloroethane	224	5.0	ug/L	200.0	BRL	112	52-153	3	24	
Chloroform	202	5.0	ug/L	200.0	BRL	101	74-136	5	19	
Chloromethane	218	5.0	ug/L	200.0	BRL	109	39-155	3	20	
cis-1,2-Dichloroethylene	192	5.0	ug/L	200.0	BRL	96	74-144	5	17	
cis-1,3-Dichloropropylene	182	5.0	ug/L	200.0	BRL	91	64-132	3	18	
Dibromochloromethane	201	5.0	ug/L	200.0	BRL	100	77-131	3	21	
Dibromomethane	204	5.0	ug/L	200.0	BRL	102	76-136	2	18	
Dichlorodifluoromethane	246	10	ug/L	200.0	BRL	123	22-170	9	22	
Ethylbenzene	214	5.0	ug/L	200.0	BRL	107	78-130	3	18	

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0219 - 5030B										
Matrix Spike Dup (P5A0219-MSD1)		**Source: 5010234-01**		Prepared & Analyzed: 01/16/15						
Hexachlorobutadiene	225	20	ug/L	200.0	BRL	112	63-132	3	26	
Isopropyl Ether	168	5.0	ug/L	200.0	BRL	84	62-154	0.4	18	
Isopropylbenzene (Cumene)	208	5.0	ug/L	200.0	BRL	104	72-127	5	19	
m,p-Xylenes	433	10	ug/L	400.0	BRL	108	66-144	5	19	
Methyl Butyl Ketone (2-Hexanone)	191	50	ug/L	200.0	BRL	96	65-130	14	23	
Methyl Ethyl Ketone (2-Butanone)	187	50	ug/L	200.0	BRL	94	65-137	12	23	
Methyl Isobutyl Ketone	182	50	ug/L	200.0	BRL	91	64-137	7	24	
Methylene Chloride	171	10	ug/L	200.0	BRL	86	71-134	0.6	17	
Methyl-tert-Butyl Ether	206	5.0	ug/L	200.0	BRL	103	71-133	0.2	19	
Naphthalene	205	10	ug/L	200.0	BRL	103	63-134	9	32	
n-Butylbenzene	222	10	ug/L	200.0	BRL	111	69-132	3	21	
n-Propylbenzene	210	5.0	ug/L	200.0	BRL	105	75-130	5	18	
o-Xylene	204	5.0	ug/L	200.0	BRL	102	75-131	4	20	
sec-Butylbenzene	217	5.0	ug/L	200.0	BRL	108	72-130	3	20	
Styrene	212	5.0	ug/L	200.0	BRL	106	77-128	2	17	
tert-Butylbenzene	205	5.0	ug/L	200.0	BRL	103	72-130	5	20	
Tetrachloroethylene	215	5.0	ug/L	200.0	BRL	107	76-130	5	20	
Toluene	210	5.0	ug/L	200.0	BRL	105	72-135	5	18	
trans-1,2-Dichloroethylene	194	5.0	ug/L	200.0	BRL	97	73-141	2	18	
trans-1,3-Dichloropropylene	199	5.0	ug/L	200.0	BRL	100	64-137	4	21	
Trichloroethylene	216	5.0	ug/L	200.0	BRL	108	72-133	3	17	
Trichlorofluoromethane	252	5.0	ug/L	200.0	BRL	126	61-152	9	27	
Vinyl acetate	183	20	ug/L	200.0	BRL	92	80-154	13	18	
Vinyl chloride	205	5.0	ug/L	200.0	BRL	103	54-146	5	25	
Surrogate: 4-Bromofluorobenzene	*49.0*		*ug/L*	*50.00*		*98*	*80-124*			
Surrogate: Dibromofluoromethane	*51.7*		*ug/L*	*50.00*		*103*	*75-129*			
Surrogate: Toluene-d8	*54.6*		*ug/L*	*50.00*		*109*	*77-123*			

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Hart & Hickman (Raleigh)
Attn: Laura Robertson
3334 Hillsborough St.
Raleigh, NC 27607

Project: Trion, Inc.

Prism Work Order: 5010234
Time Submitted: 1/15/2015 9:20:00AM

Anions by Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5A0209 - NO PREP										
Blank (P5A0209-BLK1)				Prepared & Analyzed: 01/15/15						
Chloride	BRL	1.0	mg/L							
Nitrate as N	BRL	0.10	mg/L							
Sulfate	BRL	1.0	mg/L							
LCS (P5A0209-BS1)				Prepared & Analyzed: 01/15/15						
Chloride	42.2	1.0	mg/L	40.00		106	80-120			
Nitrate as N	3.84	0.10	mg/L	4.000		96	80-120			
Sulfate	46.1	1.0	mg/L	40.20		115	80-120			
Matrix Spike (P5A0209-MS1)		**Source: 5010234-07**		Prepared & Analyzed: 01/15/15						
Chloride	47.7	1.0	mg/L	40.00	4.41	108	80-120			
Nitrate as N	4.26	0.10	mg/L	4.000	0.363	97	80-120			
Sulfate	50.6	1.0	mg/L	40.20	6.04	111	80-120			
Matrix Spike Dup (P5A0209-MSD1)		**Source: 5010234-07**		Prepared & Analyzed: 01/15/15						
Chloride	45.6	1.0	mg/L	40.00	4.41	103	80-120	4	15	
Nitrate as N	4.10	0.10	mg/L	4.000	0.363	93	80-120	4	15	
Sulfate	48.2	1.0	mg/L	40.20	6.04	105	80-120	5	15	

Sample Extraction Data

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5010234-01	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-02	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-03	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-04	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-05	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-05	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-06	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-07	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-08	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-09	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-10	P5A0219	10 mL	10 mL	01/16/15 9:13
5010234-11	P5A0219	10 mL	10 mL	01/16/15 9:13

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

Subcontracted Analyses

The following analyses were subcontracted to Gulf Coast Analytical Labs, Inc.

Lab Number	Analysis
5010234-01	RSK175 (Sub)
5010234-01	TOC (Sub)
5010234-02	RSK175 (Sub)
5010234-02	TOC (Sub)
5010234-03	RSK175 (Sub)
5010234-03	TOC (Sub)
5010234-04	RSK175 (Sub)
5010234-04	TOC (Sub)
5010234-05	RSK175 (Sub)
5010234-05	TOC (Sub)
5010234-06	RSK175 (Sub)
5010234-06	TOC (Sub)
5010234-07	RSK175 (Sub)
5010234-07	TOC (Sub)
5010234-08	RSK175 (Sub)
5010234-08	TOC (Sub)
5010234-09	RSK175 (Sub)
5010234-09	TOC (Sub)
5010234-10	RSK175 (Sub)
5010234-10	TOC (Sub)

This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Client Company Name: Hart + Hickman PC
Report To/Contact Name: Laura Robertson
Reporting Address: 3334 Hillsborough St. Raleigh, NC 27607
Phone: _____ Fax (Yes) (No): _____
Email Address: lrobertson@harthickman.com
EDD Type: PDF ✓ Excel ✓ Other _____
Site Location Name: Trion, Inc.
Site Location Physical Address: Sanford, NC

Project Name: Trion, Inc.
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Cynthia Wells
Address: 2923 S. Tryon St. Charlotte, NC
Purchase Order No./Billing Reference JCI-001
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☐ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: TRT-10 Observed: 3.0 °C / Corr: 1.6 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL____ NC ✓ SC____ OTHER_____ N/A_____
Water Chlorinated: YES___ NO ✓
Sample Iced Upon Collection: YES ✓ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	VOCs 8260	TOC 5310B	MBE PSK-TB	905LEA			REMARKS	PRISM LAB ID NO.
TMW-1	1-13-15	1555	Water					✓	✓	✓	✓			905LEA - Run	01
TMW-4	↓	1002	↓					✓	✓	✓	✓			Chloride,	02
DMW-1		1220						✓	✓	✓	✓			Sulfate, +	03
MW-7		1000						✓	✓	✓	✓			Nitrate as N	04
MW-8		1115						✓	✓	✓	✓				05
MW-13		1235						✓	✓	✓	✓				06
MW-14		1535						✓	✓	✓	✓				07
MW-16		1350						✓	✓	✓	✓				08
MW-17		1400						✓	✓	✓	✓				09
DUP-1	↓	1245	↓					✓	✓	✓	✓				10

Sampler's Signature: Laura Robertson
Sampled By (Print Name): Laura Robertson
Affiliation: H+H

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
Laura Robertson	[signature]	1-13-15	1717
Relinquished By: (Signature)	Received By: (Signature)	Date	
[signature]	[signature]	1/15/15	0605
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date	
[signature]	[signature]	1/15/15	~~0620~~ 0920

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☐ Other BRANTLY
COC Group No. 5010234

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

CODES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
	☐	☐	☐	☐	☐	☐	☐	☐

CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Client Company Name: Hart & Hickman PC
Report To/Contact Name: Laura Robertson
Reporting Address: 3334 Hillsborough St. Raleigh, NC 27607
Phone: _____ Fax (Yes) (No): _____
Email Address: lrobertson@harthickman.com
EDD Type: PDF ✓ Excel ✓ Other _____
Site Location Name: Trion, Inc.
Site Location Physical Address: Sanford, NC

Project Name: Trion, Inc.
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: _____
Address: _____

Purchase Order No./Billing Reference JCI-001
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☐ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?			

TEMP: Therm ID: IRT-10 Observed: 3.6 °C / Corr: 1.6 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL____ NC ✓ SC____ OTHER____ N/A____
Water Chlorinated: YES___ NO ✓
Sample Iced Upon Collection: YES ✓ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED VOCs 8260						REMARKS	PRISM LAB ID NO.
Trip Blank	NA	NA	Water					✓							11

Sampler's Signature NA Sampled By (Print Name) NA Affiliation _____

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
Laura Robertson	[signature]	1/13/15	17:30
Relinquished By: (Signature) [signature]	Received By: (Signature) [signature]	1/15/15	0605
Relinquished By: (Signature) [signature]	Received For Prism Laboratories By: [signature]	1/15/15	~~0620~~ 0920

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☐ Other BRANCH

COC Group No. 501034

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

CODES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
	☐	☐	☐	☐	☐	☐	☐	☐

CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

ACCESS
ANALYTICAL, INC.

ANALYTICAL REPORT

CLIENT
Prism Laboratories Inc.
PO BOX 240543
Charlotte, NC 28224

ATTENTION
Robbi Jones

PROJECT ID
5010234

LABORATORY REPORT NUMBER
215011635

DATE
01/23/2015

Primary Data Review By

Authorized Signature

Secondary Data Review By

Ashley B. Amick
Project Manager, Access Analytical, Inc.
aamick@accessanalyticalinc.com

PLEASE NOTE:

- **Unless otherwise noted, all analysis on this report performed at Gulf Coast Analytical Labs (GCAL), 7979 Innovation Park Dr., Baton Rouge, LA 70820.**
- **GCAL is SCDHEC certified laboratory # 73006, NCDENR certified lab # 618, GA certified lab # LA-01955, NELAP certified laboratory # 01955**
- Local support services for this project are provided by Access Analytical, Inc.. Access Analytical is a representative of GCAL serving clients in the SC/NC/GA areas. All questions regarding this report should be directed to your local Access Analytical representative at 803.781.4243 or toll free at 888.315.4243.

GCAL
ANALYTICAL LABORATORIES, LLC

NELAP CERTIFICATE NUMBER: 01955
DOD ELAP CERTIFICATE NUMBER: L14-243

ANALYTICAL RESULTS

PERFORMED BY

GCAL, LLC
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 01/23/2015

GCAL Report 215011635

Deliver To	Prism Laboratories Inc. PO BOX 240543 Charlotte, NC 28224 706-529-6364
Attn	Robbi Jones

Project 5010234

PJLA Testing DoD ELAP

ISO 17025

NELAP ACCREDITED TNI LABORATORY

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations that may be Utilized in this Report

ND	Indicates the result was Not Detected at the specified reporting limit
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
MDL	Method Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
DL	Dilution
N	Metals Matrix Spike or Matrix Spike Duplicate Recovery is outside control limits
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

J or I	Indicates the result is between the MDL and LOQ
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*	Indicates a non-compliant or not applicable QC recovery or RPD

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Karen Mulvaney

Authorized Signature
GCAL Report 215011635

Case Narrative

Client: Access Analytical **Report:** 215011635

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

No anomalies were found in the analyzed sample(s).

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21501163501	TMW-1	Water	01/13/2015 15:55	01/16/2015 10:30
21501163502	TMW-4	Water	01/13/2015 10:02	01/16/2015 10:30
21501163503	DMW-1	Water	01/13/2015 12:20	01/16/2015 10:30
21501163504	MW-7	Water	01/13/2015 10:00	01/16/2015 10:30
21501163505	MW-8	Water	01/13/2015 11:15	01/16/2015 10:30
21501163506	MW-13	Water	01/13/2015 12:35	01/16/2015 10:30
21501163507	MW-14	Water	01/13/2015 15:35	01/16/2015 10:30
21501163508	MW-16	Water	01/13/2015 13:50	01/16/2015 10:30
21501163509	MW-17	Water	01/13/2015 14:00	01/16/2015 10:30
21501163510	DUP-1	Water	01/13/2015 12:45	01/16/2015 10:30

Summary of Compounds Detected

TMW-1

Collect Date 01/13/2015 15:55 **GCAL ID** 21501163501
Receive Date 01/16/2015 10:30 **Matrix** Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	14.4	0.30	1.0	mg/L

TMW-4

Collect Date 01/13/2015 10:02 **GCAL ID** 21501163502
Receive Date 01/16/2015 10:30 **Matrix** Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	3.4	0.30	1.0	mg/L

DMW-1

Collect Date 01/13/2015 12:20 **GCAL ID** 21501163503
Receive Date 01/16/2015 10:30 **Matrix** Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	1.9	0.30	1.0	mg/L

MW-7

Collect Date 01/13/2015 10:00 **GCAL ID** 21501163504
Receive Date 01/16/2015 10:30 **Matrix** Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	2.4	0.30	1.0	mg/L

MW-8

Collect Date 01/13/2015 11:15 **GCAL ID** 21501163505
Receive Date 01/16/2015 10:30 **Matrix** Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	3.1	0.30	1.0	mg/L

Summary of Compounds Detected

MW-13

Collect Date 01/13/2015 12:35 **GCAL ID** 21501163506
Receive Date 01/16/2015 10:30 **Matrix** Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	1.7	0.30	1.0	mg/L

MW-14

Collect Date 01/13/2015 15:35 **GCAL ID** 21501163507
Receive Date 01/16/2015 10:30 **Matrix** Water

EPA RSK-175

CAS#	Parameter	Result	MDL	LOQ	Units
74-85-1	Ethene	0.699J	0.071	1.00	ug/L
74-82-8	Methane	0.785J	0.435	2.00	ug/L

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	1.7	0.30	1.0	mg/L

MW-16

Collect Date 01/13/2015 13:50 **GCAL ID** 21501163508
Receive Date 01/16/2015 10:30 **Matrix** Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	2.5	0.30	1.0	mg/L

MW-17

Collect Date 01/13/2015 14:00 **GCAL ID** 21501163509
Receive Date 01/16/2015 10:30 **Matrix** Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	2.9	0.30	1.0	mg/L

Summary of Compounds Detected

DUP-1	Collect Date	01/13/2015 12:45	GCAL ID	21501163510
	Receive Date	01/16/2015 10:30	Matrix	Water

SM 5310 B-2011

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	1.2	0.30	1.0	mg/L

Sample Results

TMW-1

Collect Date	01/13/2015 15:55	**GCAL ID**	21501163501
Receive Date	01/16/2015 10:30	**Matrix**	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 17:46	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	27.6	ug/L	68	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 13:40	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	**Total Organic Carbon**	**14.4**	**0.30**	**1.0**	**mg/L**

TMW-4

Collect Date	01/13/2015 10:02	**GCAL ID**	21501163502
Receive Date	01/16/2015 10:30	**Matrix**	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 17:52	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	23.6	ug/L	58	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 14:00	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	**Total Organic Carbon**	**3.4**	**0.30**	**1.0**	**mg/L**

Sample Results

DMW-1	Collect Date	01/13/2015 12:20	GCAL ID	21501163503
	Receive Date	01/16/2015 10:30	Matrix	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 17:58	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	31.4	ug/L	78	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 14:20	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	1.9	0.30	1.0	mg/L

MW-7	Collect Date	01/13/2015 10:00	GCAL ID	21501163504
	Receive Date	01/16/2015 10:30	Matrix	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 18:03	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	34	ug/L	84	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 14:40	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	Total Organic Carbon	2.4	0.30	1.0	mg/L

Sample Results

MW-8

Collect Date	01/13/2015 11:15	**GCAL ID**	21501163505
Receive Date	01/16/2015 10:30	**Matrix**	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 18:11	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	29.4	ug/L	73	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 15:01	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	**Total Organic Carbon**	**3.1**	**0.30**	**1.0**	**mg/L**

MW-13

Collect Date	01/13/2015 12:35	**GCAL ID**	21501163506
Receive Date	01/16/2015 10:30	**Matrix**	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 18:16	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	34.6	ug/L	85	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 15:57	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	**Total Organic Carbon**	**1.7**	**0.30**	**1.0**	**mg/L**

Sample Results

MW-14

Collect Date	01/13/2015 15:35	**GCAL ID**	21501163507
Receive Date	01/16/2015 10:30	**Matrix**	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 18:31	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	**Ethene**	**0.699J**	**0.071**	**1.00**	**ug/L**
74-82-8	**Methane**	**0.785J**	**0.435**	**2.00**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	34.7	ug/L	86	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 19:29	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	**Total Organic Carbon**	**1.7**	**0.30**	**1.0**	**mg/L**

MW-16

Collect Date	01/13/2015 13:50	**GCAL ID**	21501163508
Receive Date	01/16/2015 10:30	**Matrix**	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 18:37	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	33.6	ug/L	83	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 17:37	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	**Total Organic Carbon**	**2.5**	**0.30**	**1.0**	**mg/L**

Sample Results

MW-17

Collect Date	01/13/2015 14:00	**GCAL ID**	21501163509
Receive Date	01/16/2015 10:30	**Matrix**	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 18:46	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	29.8	ug/L	74	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 17:57	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	**Total Organic Carbon**	**2.9**	**0.30**	**1.0**	**mg/L**

DUP-1

Collect Date	01/13/2015 12:45	**GCAL ID**	21501163510
Receive Date	01/16/2015 10:30	**Matrix**	Water

EPA RSK-175

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/22/2015 18:52	JAR	549622

CAS#	Parameter	Result	MDL	LOQ	Units
74-84-0	Ethane	0.087U	0.087	1.00	ug/L
74-85-1	Ethene	0.071U	0.071	1.00	ug/L
74-82-8	Methane	0.435U	0.435	2.00	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
115-07-1	Propene	40.50	30.7	ug/L	76	40 - 143

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	01/19/2015 19:09	KGL2	549385

CAS#	Parameter	Result	MDL	LOQ	Units
C-012	**Total Organic Carbon**	**1.2**	**0.30**	**1.0**	**mg/L**

GC Volatiles Quality Control Summary

Analytical Batch 549622	Client ID	MB549622		LCS549622				LCSD549622				
	GCAL ID	1402442		1402443				1402444				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	01/22/2015 17:23		01/22/2015 17:29				01/22/2015 17:34				
	Matrix	Water		Water				Water				
EPA RSK-175		Units Result	ug/L MDL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Methane	74-82-8	0.435U	0.435	17.5	14.7	84	39 - 120	17.5	14.2	81	3	27
Ethene	74-85-1	0.071U	0.071	3.06	2.75	90	45 - 134	3.06	2.67	87	3	25
Ethane	74-84-0	0.087U	0.087	3.28	2.99	91	45 - 128	3.28	2.91	89	3	29
Surrogate												
Propene	115-07-1	33	81	40.5	29	72	40 - 143	40.5	28	69	4	NA

General Chemistry Quality Control Summary

Analytical Batch 549385	Client ID	MB549385		LCS549385			
	GCAL ID	1401309		1401310			
	Sample Type	MB		LCS			
	Prep Date	NA		NA			
	Analysis Date	01/19/2015 08:26		01/19/2015 07:41			
	Matrix	Water		Water			
SM 5310 B-2011		Units Result	mg/L MDL	Spike Added	Result	%R	Control Limits%R
Total Organic Carbon	C-012	0.30U	0.30	50.0	49.0	98	80 - 120

Analytical Batch 549385	Client ID	MW-8		1401109MS				1401109MSD				
	GCAL ID	21501163505		1401313				1401314				
	Sample Type	SAMPLE		MS				MSD				
	Prep Date	NA		NA				NA				
	Analysis Date	01/19/2015 15:01		01/19/2015 15:21				01/19/2015 15:39				
	Matrix	Water		Water				Water				
SM 5310 B-2011		Units Result	MDL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Total Organic Carbon	C-012	3.1	0.30	50.0	55.5	105	75 - 125	50.0	53.8	101	3	25

Analytical Batch 549385	Client ID	U31PS201G		1401223MS				1401223MSD				
	GCAL ID	21501170301		1401311				1401312				
	Sample Type	SAMPLE		MS				MSD				
	Prep Date	NA		NA				NA				
	Analysis Date	01/19/2015 11:17		01/19/2015 11:39				01/19/2015 11:57				
	Matrix	Water		Water				Water				
SM 5310 B-2011		Units Result	MDL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Total Organic Carbon	C-012	119	1.5	250	374	102	75 - 125	250	374	102	0	25

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

SUBCONTRACT ORDER

Prism Laboratories, Inc.

5010234

1372116.1

Certification: NELAC___ USACE___
NC ✓ SC___ Other _____
N/A_____

SENDING LABORATORY:

Prism Laboratories, Inc.
P. O. Box 240543
Charlotte, NC 28224-0543
Phone: 800-529-6364
Fax: 704-525-0409
Project Manager: Robbi A. Jones

RECEIVING LABORATORY:

Gulf Coast Analytical Labs, Inc.
7979 GSRI Avenue
Baton Rouge, LA 70820
Phone :(225) 769-4900
Fax: (225) 767-5717

Please report on 1/26/15

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 5010234-01	Water	Sampled:01/13/15 15:55	TMW-1	-1
TOC (Sub)		02/10/15 15:55		
RSK175 (Sub)		01/27/15 15:55		
Containers Supplied:				
Sample ID: 5010234-02	Water	Sampled:01/13/15 10:02	TMW-4	-2
RSK175 (Sub)		01/27/15 10:02		
TOC (Sub)		02/10/15 10:02		
Containers Supplied:				
Sample ID: 5010234-03	Water	Sampled:01/13/15 12:20	DMW-1	-3
RSK175 (Sub)		01/27/15 12:20		
TOC (Sub)		02/10/15 12:20		
Containers Supplied:				
Sample ID: 5010234-04	Water	Sampled:01/13/15 10:00	MW-7	-4
RSK175 (Sub)		01/27/15 10:00		
TOC (Sub)		02/10/15 10:00		
Containers Supplied:				

Client ID: 4565 - Access Analytical
SDG: 215011635
Due Date: 01/23/15

3 4 Ea

7725 9919 0123

Released By	Date	Received By	Date
[signature]	1/15/15	Fed Ex	1/15/15
Fed Ex	1/16/15 1030	[signature] GCAL	1/16/15 1030

Page 1 of 2

SUBCONTRACT ORDER

Prism Laboratories, Inc.

5010234

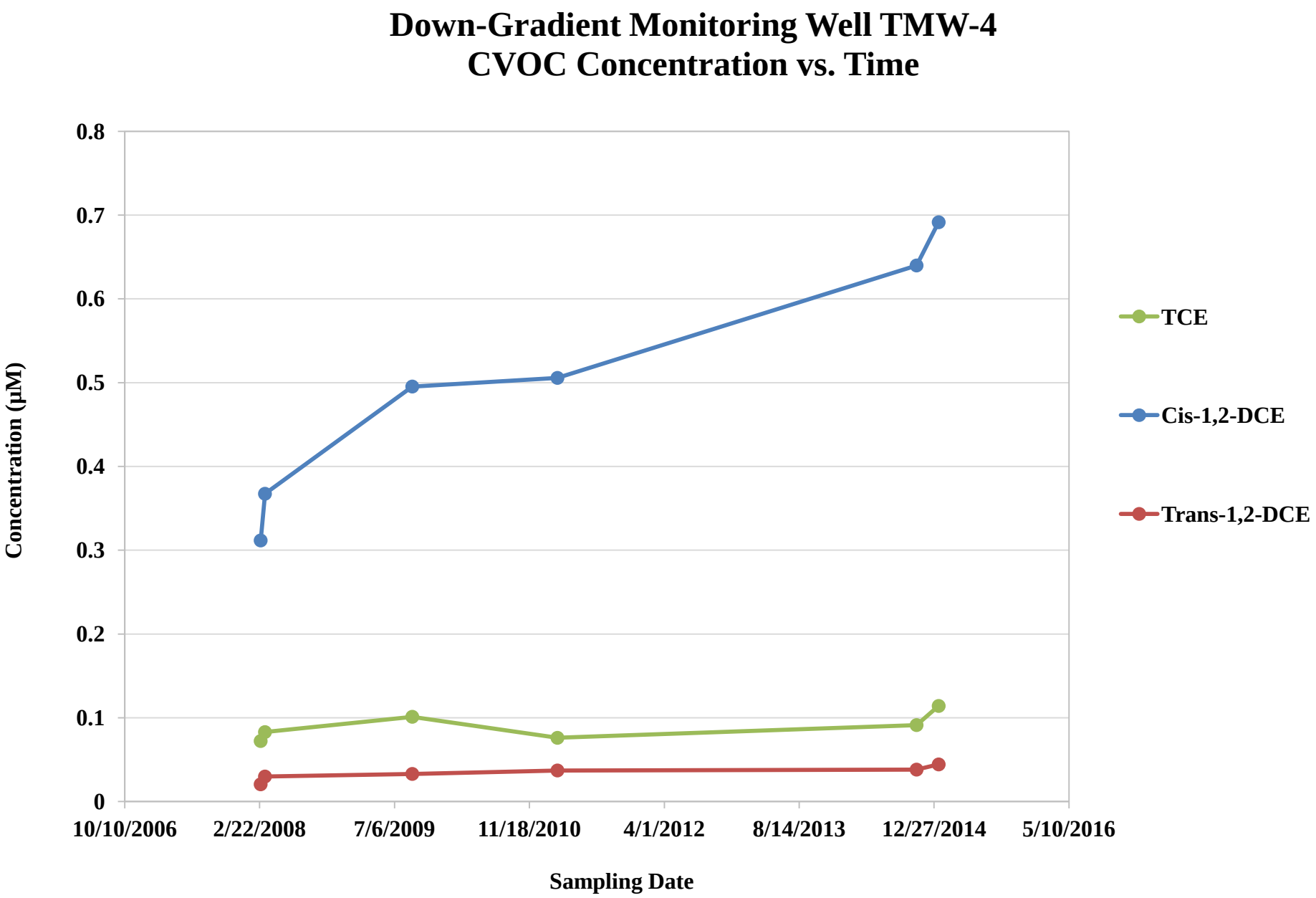
Certification: NELAC___ USACE___
NC ✓ SC___ Other _____
N/A_____

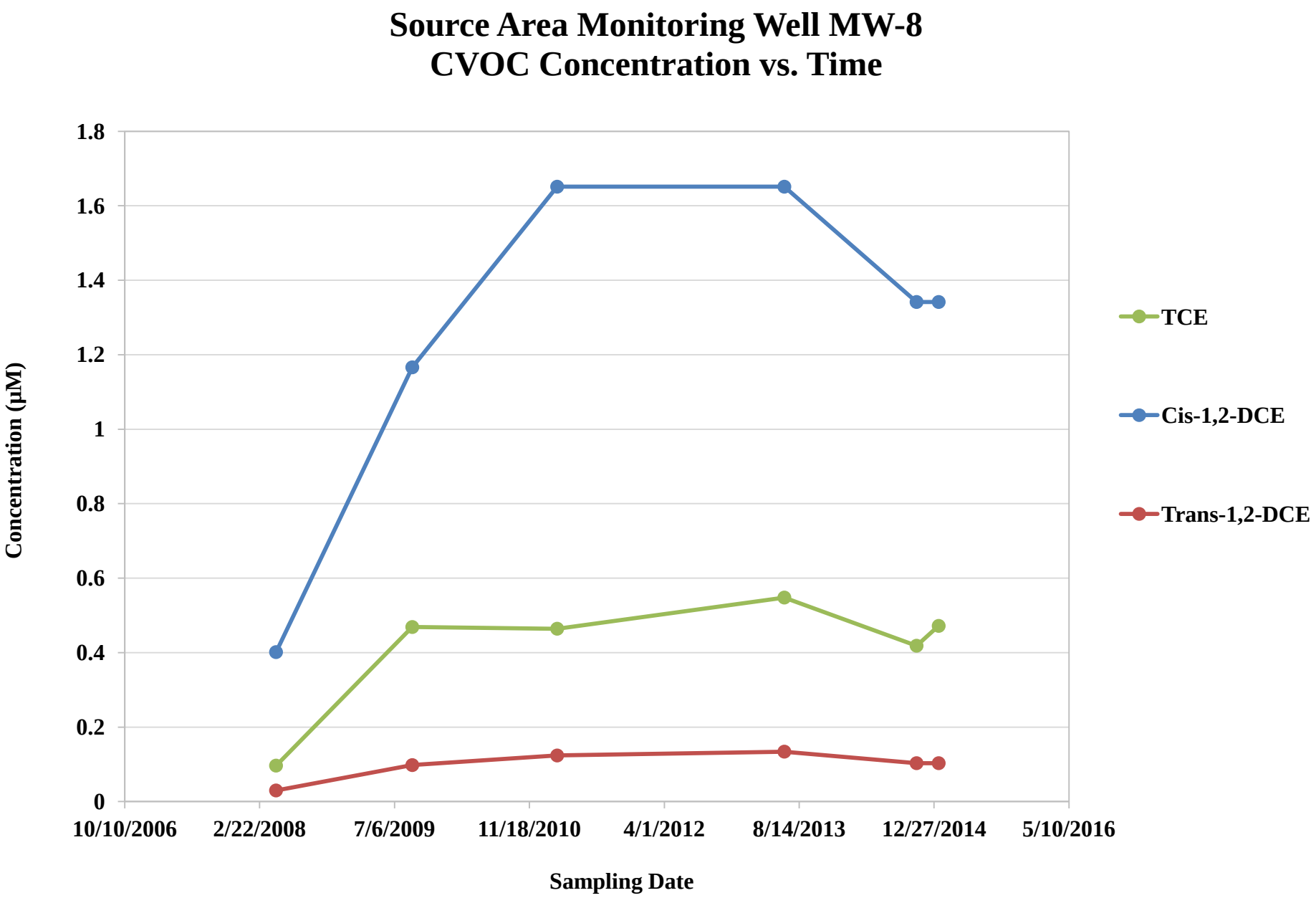
Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 5010234-05	Water	Sampled:01/13/15 11:15	MW-8	5
TOC (Sub)		02/10/15 11:15		
RSK175 (Sub)		01/27/15 11:15		
Containers Supplied:				
Sample ID: 5010234-06	Water	Sampled:01/13/15 12:35	MW-13	6
TOC (Sub)		02/10/15 12:35		
RSK175 (Sub)		01/27/15 12:35		
Containers Supplied:				
Sample ID: 5010234-07	Water	Sampled:01/13/15 15:35	MW-14	7
RSK175 (Sub)		01/27/15 15:35		
TOC (Sub)		02/10/15 15:35		
Containers Supplied:				
Sample ID: 5010234-08	Water	Sampled:01/13/15 13:50	MW-16	8
RSK175 (Sub)		01/27/15 13:50		
TOC (Sub)		02/10/15 13:50		
Containers Supplied:				
Sample ID: 5010234-09	Water	Sampled:01/13/15 14:00	MW-17	9
RSK175 (Sub)		01/27/15 14:00		
TOC (Sub)		02/10/15 14:00		
Containers Supplied:				
Sample ID: 5010234-10	Water	Sampled:01/13/15 12:45	DUP-1	
TOC (Sub)		02/10/15 12:45		
RSK175 (Sub)		01/27/15 12:45		
Containers Supplied:				

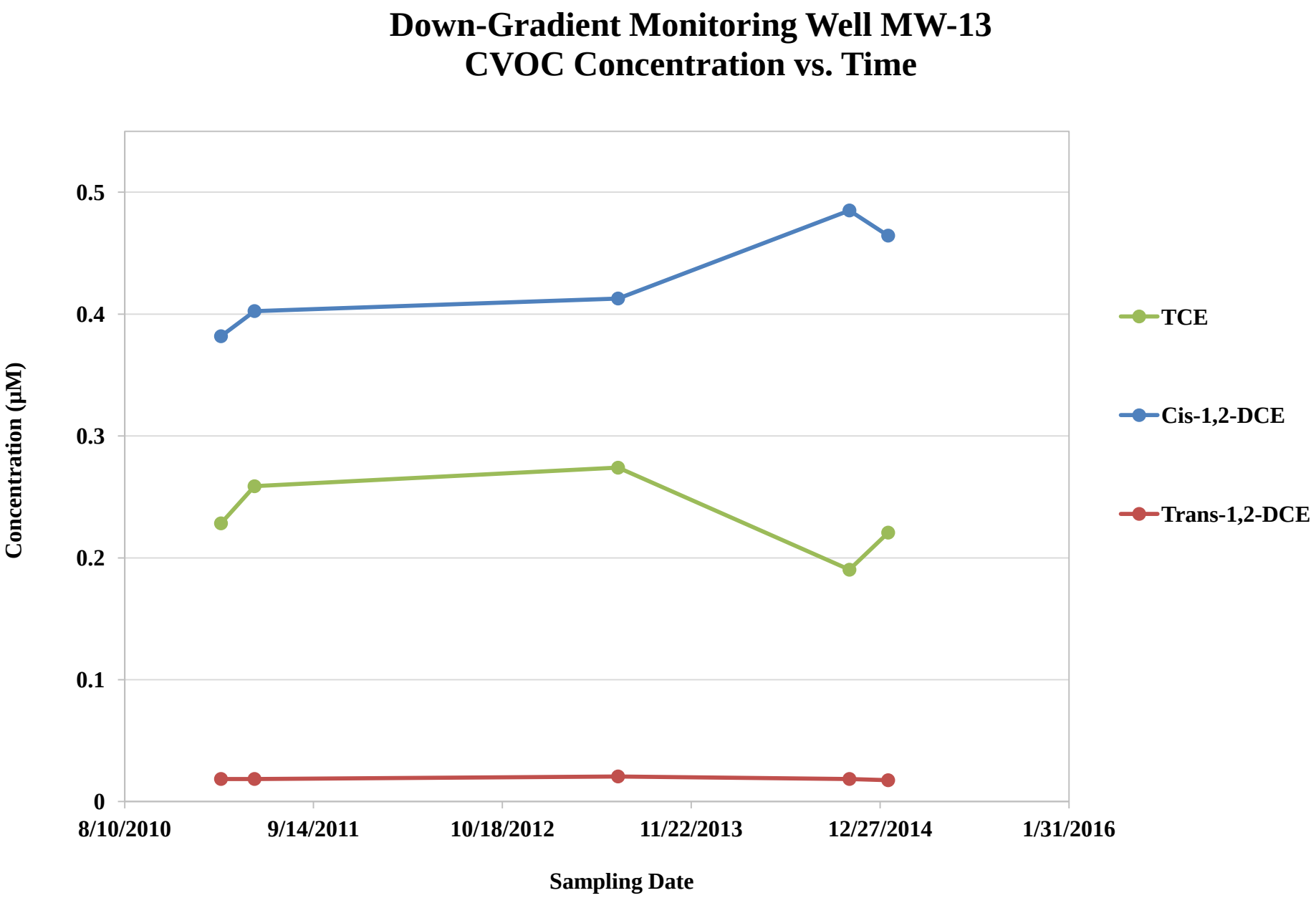
Released By	Date	Received By	Date
[signature]	1/15/15	Fed Ex	1/15/15
Fed Ex	1/16/15 1030	[signature] GCAL	1/16/15 1030

Appendix D

Contaminant Concentration Trend Graphs


Down-Gradient Monitoring Well TMW-4
CVOC Concentration vs. Time
Concentration (µM)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
Sampling Date
TCE
Cis-1,2-DCE
Trans-1,2-DCE


Source Area Monitoring Well MW-8
CVOC Concentration vs. Time
Concentration (µM)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
Sampling Date
TCE
Cis-1,2-DCE
Trans-1,2-DCE


Down-Gradient Monitoring Well MW-13
CVOC Concentration vs. Time
Concentration (µM)
0.5
0.4
0.3
0.2
0.1
0
8/10/2010
9/14/2011
10/18/2012
11/22/2013
12/27/2014
1/31/2016
Sampling Date
TCE
Cis-1,2-DCE
Trans-1,2-DCE